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<213> Rattus norvegicus

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<213> Rattus norvegicus

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206

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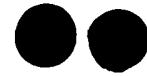
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SO-3170



2



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<213> Rattus norvegicus

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<223> unsure at all n locations

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aagaacacta ttcttgtcaa atggctaccc caaaacgatc tgcttggta tc当地aaaggct
180

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<210> 10
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<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
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120

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<213> Rattus norvegicus

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120

tgctccagtg ggattgcaca agaatgtctg tgcagaagca aagacagcct ttttaccagt
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<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
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180

aaccgacagc tgagaagccg gatagcttct gacctagagt gcacacaccc aagtcctcaa
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<212> DNA
<213> Rattus norvegicus

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aagatagagc acgacaagct ttagccacag atgaactgtc ttctgcctg gccaaactct
180

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188

<210> 15

<211> 194

<212> DNA

<213> Rattus norvegicus

<400> 15

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180

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194

<210> 16

<211> 164

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 16

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120

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<210> 17
<211> 43
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<213> Rattus norvegicus

<223> unsure at all n locations
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43

<210> 18
<211> 426
<212> DNA
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<400> 18

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gctaggcatt gtctgatgtg gtgaccctgc agggacagcc ctttgttctt gacagccaca
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426

<210> 19
<211> 212
<212> DNA
<213> Rattus norvegicus

<400> 19

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212

<210> 20
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<212> DNA
<213> Rattus norvegicus

<400> 20

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actggctgga gaggagacag cgtcttcaca gttgtacttg tagccttcac aggtcaggct
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<212> DNA
<213> Rattus norvegicus

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120

gccctggagt agggcccagg atgcaggtgc taatgtctat ccccgccgct cttcttcccg
180

actctaccat gggatgtaac tccaggaccc ctgccatctc cggtaacaaa agactgtggc
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<211> 227
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<223> unsure at all n locations
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120

tgagntnctc ttcgcattgc aagtgttgtg tttgtcctgt gccttatgct cttctctcat
180

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227

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<211> 51
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
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51

<210> 24
<211> 83
<212> DNA
<213> Rattus norvegicus

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<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
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120

gtaattacaa acctattatc agctatccct tacattggga ctaccctagt cgaatgaatc
180

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<213> Rattus norvegicus

<223> unsure at all n locations
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178

<210> 27
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<212> DNA
<213> Rattus norvegicus

<400> 27

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SO-3170



11



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275

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<211> 69
<212> DNA
<213> Rattus norvegicus

<400> 28

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48

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<211> 308
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
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gaagcacgtg aacggccagg atcagattgt gcctggatgtc tacgcctgtg gggaggctgc
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308

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<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
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180

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221

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<211> 186
<212> DNA
<213> Rattus norvegicus

<400> 32

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180

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186

<210> 33
<211> 146
<212> DNA
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<400> 33

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<210> 34
<211> 125
<212> DNA
<213> Rattus norvegicus

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120

catta
125

<210> 35
<211> 49
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
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<210> 36
<211> 193
<212> DNA
<213> Rattus norvegicus

<400> 36

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120

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180

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<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
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aaggcctgag cctccagatt gcagggcaag atccagttag agcaagantg ctctctgtc
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<210> 38
<211> 177
<212> DNA
<213> *Rattus norvegicus*

<400> 38

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177

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<212> DNA
<213> *Rattus norvegicus*

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120

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gggactgcca gggagaggc cttagcatac atgaaagtgg acagggacag ctctggggtt
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taggcaggaa tagacaaagg tgacaaggct cacgacacta gggacaggag tccctgtgag
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<210> 42

<211> 292

<212> DNA

<213> Rattus norvegicus

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120

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180

ttgttaagggg atggactatac tgggctctcg gcaatatgtt caccggact tagcagcaag
240

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292

<210> 43

<211> 239

<212> DNA

<213> Rattus norvegicus

<400> 43

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120

gctctactag tgtggcctgg tcctgctcat gagcccagtc acttctcact tcagctgggg
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<210> 44

<211> 121
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 44

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121

<210> 45
<211> 117
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
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<210> 46
<211> 105
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
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<210> 47
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<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
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<210> 48
<211> 442
<212> DNA
<213> Rattus norvegicus

<400> 48

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240

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<213> Rattus norvegicus

<223> unsure at all n locations
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120

agatggggcc gcaagctaac acctcaggaa cagagagatc tggacaggat cgccggacag
180

gtggcatgtc gccaacaaga agcattagaa caaaggatgc tgggtta
227

<210> 50
<211> 248
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 50

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acggacacaa gaggaatatac cccttggaaatg gaaccaagtg gaaagaatga gctgtgagac
120

tggatagtta tggtgcctca agctgatcct tctgagtggg cggggctagc accccagtgt
180

ccatcaagca aggtctatcc ttctgagtgg gcaggctagc actccagtgt ccagnnattc
240

cagtctta
248

<210> 51
<211> 113
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 51

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60

acatcgaaaa gtactttggg aggntgttgg agtatttnnt gattcaagcc tta
113

<210> 52
<211> 198
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 52

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atcataaccta gtagttttag ccctctacct tgagaaatcc agatggatga agaaaagata
120

gctaacagct accagagggt gcatttgat gaaggaataa catctaattgt tntacaggat
180

aacnntaact gacaatta
198

<210> 53
<211> 166
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 53

gatcccacatcg ctcangcngc anntcaggtg cantcctgga gagagatccc aaaattcttc
60

aggcaacacc tccttcagtc tggagnnaac tctaaatagt gtgaccatgt aggacagagt
120

aaagggcagg gagtgaatta gagaagagtt ggnngtctgg ggatta
166

<210> 54
<211> 190
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 54

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atggggattg gttttcgtat tgtcgtggcc tctgacaaaa gagaaaagat agaagagaac
120

ggcagcatga gagttttgt gcagcacatc gatgtcttgg agaattcctt aggctncnag
180

ttccgtattta
190

<210> 55
<211> 178
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 55

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60

cagtgcgtg acgtnacttc taatagacga naattagana cagcctgctt gcccataaca
120

ggaaagtgtat cactgagatg atagcgtgtc catttgatgg gccncctcag caacgtta
178

<210> 56
<211> 240
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 56

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60

gctcaacaac tacagaacgc acctcccggt ctctctgtc taagatgcta aatatgaaag
120

ccagngtttc acagcccaga tcataccacng cactgcttta ctgattcggg agtttcttt
180

gaggataactc cagatacacc tgagacatta tanatcatat atcaanngc acaaataatta
240

<210> 57
<211> 222
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 57

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60

taccagtgt gctgttaactg aagaaatgcc acccctggaa ggagatgatg acacatcacg
120

catggaagaa gtagactagg ctccaccagn actatgtgtt tgatgcttac ctccattcct
180

tctgatnata tattttccat gatttngnt ttatTTTGT ta
222

<210> 58
<211> 112
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 58

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60

tcatatnaca atttatgntc ctttgtgtca ttgtgnnccc attcctgagt ta
112

<210> 59
<211> 176
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 59

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60

gaagaaaagct agnacaaaatg cagaagaaaag atgtctgatc tgcccttcat gttngagtt
120

tgtgagtgtg tgcattgangc ctctgttcag atcntgtgct nnngtttagc cattta
176

<210> 60
<211> 91
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 60

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60

ggtgacacgg ggcttggnnn acacaacctt a
91

<210> 61
<211> 332
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 61

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aacactctat cacatcacan tgtggacatt cctccttgcc ctgggacact tcntctcgga
120

gttggggta tttgggnacag cggctccac agttgggtgtg ctggcacccct tggatggtagc
180

aagtttctca atcctggta tgctagttgg gctccggta ctanaaggc aaccaggatc
240

cagacagaag naaagaaatt gaggccancc ttgnccagtc tgatacatca tggtnntcca
300

cctttgctct nttnnnncac tctctgtcct ta
332

<210> 62
<211> 274
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 62

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acaatatcat tgatctaacc aagactgatc gctgtctcca ggcccgagga tgaagaaagg
120

cctgaggcctc cagtggnnnn nnnnnnnnnn nncaccagga ctcttagatc accatttcct
180

gtccatggag catcctgaga caaattctgc gatctgatgt ccatcctctg tcacagaaaa
240

gtgcaatctt gtctctccag ctctcccta atta
274

<210> 63
<211> 70
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 63

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60

tatctgctta

70

<210> 64
<211> 280
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 64

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60

ggccacttac tataggtnat aaggtcactg tgnccctcag caggnccaag cactgcatgt
120

aggaaaggaa gggtccagga gctgtccaga gcgccattta gctctccttc tgtaggaa
180

ataaagacag agtgtgcaaa gagaggcagt cagcactccc tcntgctcag ggaaccctgg
240

acagctgtgg acaggcatgg ggtannncta ctttcatta
280

<210> 65
<211> 202
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 65

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60

agacagacag gccatcagtg tggaatgtcc gagaaggcga ttgaaaagtt tatcagacag
120

ctactcgaaa agaatgactc aaagggacca ccccagtacc ctctccttat agccatgtat
180

aagtcnnctn actctggat ta
202

<210> 66
<211> 162

<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 66

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60

ggccaatgac accacgttng gactagcagc tgggtcttt accaggacat tcagaggcgc
120

acaggtggcg gctgagctnc aggccgcnaa cgtgctacat ta
162

<210> 67
<211> 57
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 67

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57

<210> 68
<211> 131
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 68

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60

tgttagtaan agagaatgtc tttagtgtgg tgtgagtgac agtgaattc aatgnncnta
120

aaaggacatt a
131

<210> 69
<211> 77
<212> DNA
<213> Rattus norvegicus

<400> 69

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60

gagaagacac ctgttta
77

<210> 70
<211> 353
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 70

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acactttgga actgggtggtg tagccctcag tatcatcttg aacaccagtt ggggctcctg
120

cagtgccctt tgtgcttcac tgggttttgg acgaaggcgt gaggccctg cttcctgtca
180

tgttagtgact gtagtgtgct gcgtgactat ctcggtcaag tcccgtaag aagatgaaag
240

tccacagcaa aaggcangtt cgattcccaag tgcctgctca cagctgcctg tatcttgatc
300

tgcaggggac cctgtgcctc tggtttctgt ggatacaaat gtgtatgccc tta
353

<210> 71
<211> 187
<212> DNA
<213> Rattus norvegicus

<400> 71

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60

gctcttaat caccacgacc atcacgatga attctgcctt atgccttgac ttccgtcatt
120

tcccctgaga ttctactgt gattcccgct gtattccctag cccttgatt ttccctgacat
180

gccttta
187

<210> 72
<211> 116
<212> DNA
<213> Rattus norvegicus

<400> 72

gatccgagcc tcttgtgcgt actgtgacac agaacagata tcaccagact ggagccatc
60

at.ctgagccc caatgctctc tacacaccag aattctatct ttttagcagtg acttta
116

<210> 73
<211> 147
<212> DNA
<213> Rattus norvegicus

<400> 73

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60

gttatttagca gaatgaagga tggcctcaaa cgaagaaaga tgcacacccc tcgaggctct
120

tcagaatgct ggatagaggc ttactta
147

<210> 74
<211> 195
<212> DNA
<213> Rattus norvegicus

<400> 74

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60

ccccctgtgga gagggagaaa gaaaggggag ccgctgacct gcagggatac agaccttccc
120

cacagcctgg cagccgcccc tttgttgcag cttattatca gactgtggc tatcatagtt
180

catgctcggt tctta
195

<210> 75
<211> 190
<212> DNA

<213> Rattus norvegicus

<400> 75

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60

ttgaacaact tatttcctt gtatcgatag agggtgctta
100

<210> 76

<211> 395

<212> DNA

<213> Rattus norvegicus

<400> 76

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60

ctgcctggtc tgttcatcc tgtttctga gagcgtggtt cacagacctt gtgtctgagt
120

gaagggaaacc caggttcaga ttccgttct ctgttctgt cttttctca gcagcagggt
180

aggaacagggc cttttgtca catacaacag atgaagccca tggatgagtct gtggaaaca
240

ccaacactca tgcaccctgt gggtgaccct ccctacacag cgcagagcag agagagcccg
300

ggaggtgctg caggcttcac tgagcttcc ttgccagac tggcaaccga ctttgctctc
360

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395

<210> 77

<211> 56

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 77

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56

<210> 78

<211> 164

<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 78

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60

gccttacaac atcgctcaca tggaggccaa gggagcagcc gtgaaagtgc ccatcaacac
120

gatgaccagc gcagatttgc tcagtgccctt gagagcggc atta
164

<210> 79
<211> 207
<212> DNA
<213> Rattus norvegicus

<400> 79

gatctccacc gaactggta agagcaagct cagggagacc actggggcag cctgcaaata
60

tggggcctt gggctgccc ccactgttgc ccacgtggat ggtaaaacct acatgctatt
120

tgggtctgac cgcattggagt tgctagctta cctgcttagga gagaagtggta tggccctgt
180

cccccaacc ctgaatgcca gacttta
207

<210> 80
<211> 112
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 80

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60

atgacacatc cgggagttg ccacactagc aagagcctgg ctgnttcctt ta
112

<210> 81
<211> 183
<212> DNA

<213> Rattus norvegicus

<400> 81

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gcacaattcc tgtgtgagtt ggaatgatgt atttgcttac caaagctcaa gatcatccac
120

aggacaacca cagagtccac atcaaaggag aqaqgtqqtc tttgttgate cagactggcc
180

tta

183

<210> 82

<211> 118

<212> DNA

<213> Rattus norvegicus

<400> 82

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60

ttgtctgacc tccatggag attttgttcc tggctaaaat aaaggctaaa taagctta
118

<210> 83

<211> 264

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 83

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60

tgtggtaga tggggacagg agttttctc cctgccttt ctggggatgg agaagggtca
120

aaccaagncc atgttgtctg gagaggtgca cccaggggtg aaggggtctg agaggccttc
180

cacctaccct cagagagcct gggttcctca ggggctcagt ggggcagcac tttttgttat
240

tgtcgtagata agttcgtagc atta

264

<210> 84
<211> 60
<212> DNA
<213> *Rattus norvegicus*

<400> 84

gatctccag gactcaagac accagttggc agaggaagag cctggcttcg gttggcatta
60

<210> 85
<211> 136
<212> DNA
<213> *Rattus norvegicus*

<400> 85

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60

tagccctggc tgtcttgaa ctctgttagac tgggctggct tctgacttag agctctgcct
120

gcctctgctg ggatta
136

<210> 86
<211> 85
<212> DNA
<213> *Rattus norvegicus*

<400> 86

gatccaaggat atgaagacgc agagtaaacc ctcagttatc aaacggaaaa agatgggcag
60

ctaagatgca tataaagggg agcta
85

<210> 87
<211> 145
<212> DNA
<213> *Rattus norvegicus*

<400> 87

gatccaaaga tttctaactt ggctcccttg qgcattcctc qaaqqattat caagaacaca
60

accttcgtg gttttttctt ccccaaggcc accgatgtgt tccctatatt agtttctctg
120

atgacagacc caaagttctt cccta
145

<210> 88
<211> 346
<212> DNA
<213> *Rattus norvegicus*

<400> 88

gatccagtaa attctttca attccctgtt gatttactaa gtgaccaccc atttcctgcc
60

ctcactaagt gacaataacct tccctgcaga cccactaata cacgcttcct tcataatccta
120

ctcaggaagt gaccatgtca actgagccct tctgactgac tgtccgactg tccttgtcaa
180

ttgccactct catgtccctt ccctctctca ctgccacact cctccatcag catgtagaga
240

gtgtctttt caacttttgtt ctttcctttt gtggacaaca tttctgcaaa agagcaaggg
300

tctggaaacctt gccctggcct ctgacccttg gatgtgtgtg ctgcta
346

<210> 89
<211> 205
<212> DNA
<213> *Rattus norvegicus*

<400> 89

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60

ggagacccca tctcaaaaaaa acaaaccaac cctgccctcc agtaaccgtc caggagagtg
120

tgggtgtgca ggctgagccg ctctataaccc agcctctgag aactttgtcc tctcgcaac
180

ttgatagcct gcgggtggtt ggcta
205

<210> 90

<211> 211
<212> DNA
<213> *Rattus norvegicus*

<400> 90

gatccagaag acatcacaaa taatccttta gaatagtccctt tgggcaactggcccttcgt
60

acctgtatca gagagaattc tggggggctt cgaggcaccc tacactccat gctccagttt
120

tcagccgccc ccacacctacc cccatctctt tagtcttacc tgaggttgggt tgacagcctg
180

cctatgtttt ctctgttgct ttccttaccct a
211

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<210>      91
<211>      166
<212>      DNA
<213>      Rattus norvegicus
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<400> 91

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60

ccgttggcgt gtaggtatcg gattagtcag ccgttagttt cgtctcgca gatgtgggtg
120

actgatgaaa atgctgttat ggtatcagac gtgttagtcta ttgcta
166

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<210>      92
<211>      148
<212>      DNA
<213>      Rattus norvegicus
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<223> unsure at all n locations
<400> 92

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60

tgagggttcc tcattgcattg cgtatagggtg atcatgattt cccccactaac tcattttctg
120

gctggcctct tttatatacg tcgcccata
148

<210> 93
<211> 52
<212> DNA
<213> *Rattus norvegicus*

<400> 93

gatccatgga ggtggactaa taatagcgga gcatcaccct atagtgtgac ta
52

<210> 94
<211> 43
<212> DNA
<213> *Rattus norvegicus*

<400> 94

gatccatttc tttagcagtt gaaacagctg gccattgtaa cta
43

<210> 95
<211> 228
<212> DNA
<213> *Rattus norvegicus*

<400> 95

gatcccagcc gtcgtggatc ctctcaccat tacttcttcc ctgtcatcggtatggagtcct
60

cactgtgaat ggaccaagga aacaggcctc tggccctgag cgccaccattc ccatcacccg
120

tgaagagaag cctgctgtca ctgcagcccc taagaagtag attcccttcc ctcgttgcat
180

tttttaagac aaggaagttt cccatcagcg aatgaacatc tgtgacta
228

<210> 96
<211> 103
<212> DNA
<213> *Rattus norvegicus*

<400> 96

gatccccaaag actgtggact ggagagaaaa gggttgtgtg actcctgtga agaattcagg
60

cgtgtgggt ttttgcggg ctttagcgc atcggttgc cta
103

<210> 97
<211> 343
<212> DNA
<213> Rattus norvegicus

<400> 97

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60

ccccttgcct taaaaggccct tctaagctcg gcctgagaac tcctcctcac ctttcaccct
120

tcccagccca aggctccgag ggtcccatca gtgctgatga gtctggcctt tgagctttc
180

ttgacaattc ctaatggttc taaagcctgg agccccgg aactgtgagc taaggagaca
240

tagcacaaaa tcataaatga gttgcgggaa gaggctggaa acagtgtgca agaaatacag
300

gccaggggtt ggggatttag ctcagcgta gagcgcttgc cta
343

<210> 98
<211> 50
<212> DNA
<213> Rattus norvegicus

<400> 98

gatccccatt agcttgcgc tgtggccaga aaaggccaaa gccagcccta
50

<210> 99
<211> 48
<212> DNA
<213> Rattus norvegicus

<400> 99

gatccctggg gcttgctggc cagccagaag ctgcacatgt gagctcta
48

<210> 100
<211> 72
<212> DNA
<213> Rattus norvegicus

<400> 100

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60

cgatcataacc ta

72

<210> 101

<211> 200

<212> DNA

<213> Rattus norvegicus

<400> 101

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60

acactcaaac accctgtatt catctaaggg tctggagag tctgggtgt tcctggctg
120

ttcggtattt tttgccatcc atgacgcagt gagggcagcg cggcaggaga gaggcatctc
180

tggaccatgg aagctcacta

200

<210> 102

<211> 143

<212> DNA

<213> Rattus norvegicus

<400> 102

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60

cgttttgag aactccggat actacttga ctctggcttg gggcgaagga agtgcacccc
120

agatcaaaag caacacattt cta

143

<210> 103

<211> 343

<212> DNA

<213> Rattus norvegicus

<400> 103

gatccgaagc aggttagccct gagtcattat ggcgtctct gacttcagca atcagcagcc
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cttacaatcc tgcaaggatt ccacccaagt cagcagcagt cacgggcctc cttcaactgat
120

gtgtgttctg cctgctcagc ccctgccaca gaggcctgga ggtgtggag tgtggctaa
180

gcacagtctg ccatccttga ccgcagacct cttggaccca cccccactcc ctccagacac
240

tggtaagaga agccttcctg caacatgtcc tgtcctcagg aggtgagaca gcagagtgct
300

tccattcaact cgatgacccc atttttgttc ttcccttggg cta
343

<210> 104

<211> 41

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 104

gatccgagnc aatgcgtggc atttccctct cattggccct a
41

<210> 105

<211> 67

<212> DNA

<213> Rattus norvegicus

<400> 105

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60

tgctcta

67

<210> 106

<211> 192

<212> DNA

<213> Rattus norvegicus

<400> 106

gatccggagc cattcccttt gcagtgtcat agataccgaa gtaggcagca cgtagatga
60

taatgccctg cactgacaca ttaaagcctt ggtacaggcc cttaatccca tcagatttg
120

agatcttaac caggcagtca ccaaggcctt tgaattccct ttcagctcca gctttgccca
180

catcagctgc ta
192

<210> 107
<211> 97
<212> DNA
<213> Rattus norvegicus

<400> 107

gatcctatga tcctgaacgg cagcctgtgc tctctgtcta ccagccagag gacaacctg
60

gaggctctcc cgagactccc tgtactcacc cctgcta
97

<210> 108
<211> 42
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 108

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42

<210> 109
<211> 67
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<213> Rattus norvegicus

<400> 109

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60

ttgccta
57

<210> 110
<211> 207
<212> DNA

<213> Rattus norvegicus

<400> 110

gatcctcacc gtggaggacc actactatga aggtggcata ggcgaggcag tatctgctgc
60

ggtagtgggc gaacctggag tcacagtcac tcgcctggcg gtcagccaag taccacgaag
120

tggaaagcca gctgagctgc tgaagatgtt tggtattgac aaagacgcca ttgtgcaagc
180

tgtgaaggc cttgtcacca agggcta
207

<210> 111

<211> 271

<212> DNA

<213> Rattus norvegicus

<400> 111

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60

ttcacaatct ttccctgtga tgaattagca tctccagctc tctgcctata tagtagatat
120

ggaccacaaa gaagtaaata atggtgtgca atttttgtca aggaatctt agaggccac
180

acaattccaa attctcactt catgtcagag attgaatgat tgaaaagctt tctgcagtaa
240

attatttacc ctatttctt agcatgtact a
271

<210> 112

<211> 415

<212> DNA

<213> Rattus norvegicus

<400> 112

gatcctcaaa gtggctcagg aacactttgg caaaggcaaa tcaaaagact tccaactgtt
60

cggctctctt cttggaaag acctgctgtt taaggattct gcctttgggc tgtaacgggt
120

gcccccaagg atggactaca ggctgtacct cggccacagc tatgtcactg ccattcgaaa
180

tcagcggaa ggcgtgtgcc cggagggctc catcgacagc gcccagtga aatgggtgtc
240

actgagtcac caagagagag ccaagtgtga tgagtggagc gtcagcagca atggcagat
300

agagtgtgag tcagcagaga gcactgagga ctgcattgac aagattgtga atggagaagc
360

agatgccatg agcttggatg gaggtcatgc ctacatagca ggccagtgtg gacta
415

<210> 113
<211> 152
<212> DNA
<213> Rattus norvegicus

<400> 113

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60

gtgctgggtg taagaccaca ccctccagag ggaagaaagg ctccctctcg gttgtgcgc
120

tgactttttt atactgctcc cttgtgccac ta
152

<210> 114
<211> 295
<212> DNA
<213> Rattus norvegicus

<400> 114

gatcctgaag agcaatgagg gacgtccct ttcggccca gcaccagcgc aatgtcaagc
60

ttatgaggca gatgctaattg gacgctggcc ccccaagtcat ccactgcccc agccacatca
120

tccctgtcg gttgcctga tgctgctaaa aacacagaaa tctgtatga agttgatgac
180

caggcataat atctacgtcc aggcattaa ttacccaaca gtgcctcgatg gggaggagct
240

cctccggatc gcccccaccc cgccaccacac accgcagatg atgaacttct tccta
295

<210> 115
<211> 76
<212> DNA
<213> Rattus norvegicus

<400> 115

gatccttgcc tgccactatt tctgtgatct caatgttttg ttttctcctg acttctgaca
60

ccaagctgat ttgcta
76

<210> 116
<211> 290
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 116

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60

cctgaagccc tgagggagag atttgaggag cactaccagc ggcataatgaa ggactgccct
120

gtgaagttta gagcagagct ctgagacact tccttgcgtc tgaaattgga gtatgtctcca
180

atttatccctt cagttttct tggggaaat tcagtagaag tagaagtctt ttggaaactg
240

atggtttaaa ttcattctgg tttttaaac naacntttat tttaatctac
290

<210> 117
<211> 228
<212> DNA
<213> Rattus norvegicus

<400> 117

gatctaacca agactgatcg ctgtctccag gcccgaggat gaagaaaggc ctgagcctcc
60

agtgcgtgagt ggagacttct caccaqqact ccaqcatcac catttcctgt ccatggagca
120

tcctgagaca aattctgcga tctgattcc atcctctctc acagaaaagt gcaatccgg
180

tctctccagc atctcccta gttaccagg acaacacatc gagaatta
228

<210> 118
<211> 93
<212> DNA
<213> Rattus norvegicus

<400> 118

gatctactta aaaactgctt cgtgacaaaa accacacctg aagaaatttt aagaatttgg
60

cacagttagt cactttgtgt cacccggaat cta
93

<210> 119
<211> 145
<212> DNA
<213> Rattus norvegicus

<400> 119

gatctacacc acagtttcta acagtagcaa cattacagcc atgaagtagc agtggaaata
60

acttgatggt gggggaaatc accagaatat gaggaactgt attaaagggt cgcagcattc
120

ggaagggttga gaagccactg ggcta
145

<210> 120
<211> 34
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 120

gatctacatt ggaaggcgtn gacaactanc acta
34

<210> 121
<211> 45
<212> DNA
<213> Rattus norvegicus

<400> 121

gatcttaggcc ccttcctcc tctaacccttc tttctctcct gccta
45

<210> 122
<211> 363
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 122

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60

ctgatgaagt accncacatg tcacagctaa agtccaggaa gagattgacc gtgtgattgg
120

cagacatcgc agccctgca tgcaggatag aaaacacatg ccctacacag atccatgat
180

tcatgaggtt ncagagattc attaactttg tcccgaccaa cctgccccat gcagtgacct
240

gtgacattaa attcaggaac tacctcatcc cgaaggaaac aaaagtgtta acatcactga
300

catcagtgtt gcatgacagc aaggagttcc ccanccana gatgttgcc cnanccactt
360

cta
363

<210> 123
<211> 132
<212> DNA
<213> Rattus norvegicus

<400> 123

gatctcaggg gaggtatgct taaggccaga gctttcctc agtatttgat tttccagtg
60

tttgttttt taaaaactga caggtgctac atttctatct gttggttca attctgccat
120

atttcatgtc ta
132

<210> 124
<211> 89
<212> DNA
<213> Rattus norvegicus

<400> 124

gatctcagca gcctgggtgt cacagtagaa taagaatggc tggccttaac cttccctgtg
60

agtgacgtga atgaatgcct acctggcta
89

<210> 125
<211> 206
<212> DNA
<213> Rattus norvegicus

<400> 125

gatctcattg atcacagcct gggtgttaggg catttcatg tggcctcat actgaggctg
60

tcggttcctg ccgatcacct gctcaatttc ctcatggacc ttggcctcca catctggatg
120

cttcatgagt agaaggaagc cgtacgttag tgtggagctg actgtctcag acccagcaaa
180

gaagaggctt agtgttgtca tcacta
206

<210> 126
<211> 71
<212> DNA
<213> Rattus norvegicus

<400> 126

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60

gatccgggct a
71

<210> 127
<211> 129
<212> DNA
<213> Rattus norvegicus

<400> 127

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60

ttaaacgtgt ggcttccagg tgctttctta ctgtttgccca aaattgagct gcctcaagac
120

aaggtacta

129

<210> 128

<211> 247

<212> DNA

<213> Rattus norvegicus

<400> 128

gatctctccc gagagacaca gccagaatac agcaaataca taggcaaatg ccagcagcaa
60

accaccgaac tgaaaacggg acccccgttt aaggaatcag agaaaggact ggaagagctt
120

gaaggggctt gagaccccat atgaacaatg ccaagcaacc agagcttcca gaaactaagc
180

cactacccaa agactgtaaa tggactgacc ctgggcttcca acctcatagg tagcaatgaa
240

tagccta

247

<210> 129

<211> 347

<212> DNA

<213> Rattus norvegicus

<400> 129

gatctctgcc tacatgaaga gcagccgcta cctctcaaca cctatatttt cgaagttggc
60

ccaatggagt aacaagttagg cccttgcatac actgggcact cacagagagg acctgtccac
120

attggatcct gcagggcaccc tggccttctg cactgtggtt ctctctcctt cctgctccct
180

tctccagctt tgtcagcccc atctcctcaa cctcacccca gtcatgccca catagtcttc
240

attctccca ctttcttca tagtggtccc cttctttatt gacacctaa cacaacctca
300

cagtccttt ctgtgatttg aggtctgccc tgaactcagt ctccctta
347

<210> 130
<211> 431
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 130

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60

accgccttgg caaaagacag gacaaaaaac cggtacttgc ctgccttga aaaggtgttg
120

aagagccatg gccaagacta cctttaggt aacaggctga cccgggtaga catccacctg
180

ctggaaacttc tcctctatgt tgaagagttt gatgccagcc ttctgacctc ttccctctg
240

ctgaaggcct tcaagagcag aatcagcagc ctcccaatg tgaagaagtt cctgcagcct
300

ggcagtcaga gaaagcttcc cgtggatgca aaacaaatcg aagaagcang gaagatttcc
360

aagttttagc ggagctgcac tgtccaaattt ctttatgctt tgcanaaaat gagaagcaat
420

tgttgatcct a
431

<210> 131
<211> 180
<212> DNA
<213> *Rattus norvegicus*

<400> 131

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60

cttgccaaaa tcaaggacaa agcaaggaac cgttacttgc ctgccttga aaaggtgttg
120

aagagccatg gacaagatta tctcggtggc aataggctga gcagggctga tggtaaccta
180

<210> 132
<211> 156
<212> DNA
<213> Rattus norvegicus

<400> 132

gatcttactg tgcacagctt tagatcatga tggtagcag attgttaactt ccattcatga
60

gaagaaactg cacaaaccat ctcattcctg tcttatcttt attgtattgg aagctttctt
120

taagttacca tatttttagag cgttgttagt gcccta
156

<210> 133
<211> 187
<212> DNA
<213> Rattus norvegicus

<400> 133

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gctctgcaac aatgaagtat tttgactaaa tggtagccgt acttattggg agggtaacat
120

gttttctaag gcttctgtgt taattcatat agacatgact catgaggaat tgctggatg
180

ccatcta
187

<210> 134
<211> 295
<212> DNA
<213> Rattus norvegicus

<400> 134

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gttcctgtgg gaaaggtccc agatacacac tccagagcta actctgaaac gtcaagaaat
120

caaagcccaag aatctcggtgt aggcgaatgg agactccccca aaggacacga aacagctgtt
180

aaagttagcgg gcagtgtgtc cgagaagctg ccctccagca gcctgctcat ggacagagct
240

gaagcagccca gccttgcaca gtcggcaggc cacgaggact gggaaatgggt gtcta
295

<210> 135

<211> 93

<212> DNA

<213> Rattus norvegicus

<400> 135

gatcttggca agggaaatgg tcagcatcag cccttgcct cagcctgtgc tttgagtcct
60

tgtccccatc cctcacactt tccctccatg cta
93

<210> 136

<211> 156

<212> DNA

<213> Rattus norvegicus

<400> 136

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60

ttggaaaagt gcagcgaatt ttaacgtatg tgcgtcgcca tgctgtaaa acactattgg
120

gatacctccc ctgtgacggt attggagggt tggcta
156

<210> 137

<211> 73

<212> DNA

<213> Rattus norvegicus

<400> 137

gatcttggtc atcacatgac ctcttgcgggt ggtcacaggg agtaaaaatg tgcgtcgcca
60

ctgttgtcag cta

73

<210> 138
<211> 137
<212> DNA
<213> Rattus norvegicus

<400> 138

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60

ttagaataag gtgatttttg ttttagccac agactcatgg gagtagatta gtgtaagtta
120

ggatgaactt cacccta
137

<210> 139
<211> 125
<212> DNA
<213> Rattus norvegicus

<400> 139

gatccaggct ccagttgtca tggctgcctt gatgagccct ttcccaaga cttgcttgag
60

tttgggctgg agttcaaagt tctgcagccc tccgtgcaca gagatgagaa gtttggaaag
120

ctcta
125

<210> 140
<211> 103
<212> DNA
<213> Rattus norvegicus

<400> 140

gatccatggaa ggtgcactgg ttataggcat ggcttcattt tatgtatggct ccatgctggc
60

agccatggag aatgttagtgg tggtcactat ccaataccgc cta
103

<210> 141
<211> 172
<212> DNA
<213> Rattus norvegicus

<400> 141

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60

gaggaaaaga aactggtggt ctcgccttc cctggaaagg aacagcgctc ccctgagtgc
120

ccggggcccg aaaagcaaag aacccctga tgctccccgc tgagactcac ta
172

<210> 142

<211> 238

<212> DNA

<213> Rattus norvegicus

<400> 142

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atgtgtggat gacagcaaag gtcagaagct actgcctgcc cctctgttt agatggttgc
120

tcaggagccc agacttcgac tcatggtgtg ccagggaggg ctggggacaa caggggtcc
180

cttcccaggc ccatctgctg ccccacactg atctgcctgt ctttctgct gctctcta
238

<210> 143

<211> 104

<212> DNA

<213> Rattus norvegicus

<400> 143

gatccgtatc tggctgttagc ttgcgtcctc agcaaacaga ggcgcctatga aagccccat
60

ggatgtccct ccgattatgt ccacggggat gccacattct gcta
104

<210> 144

<211> 178

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 144

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gtacggcatg cctgtcaccc tcatacgaga agctgtcttt gctcggtgct tgtcttctct
120

gaaggaggag cgagttcagg ccagcagana gctgaaggc cccaagatgg tccagcta
178

<210> 145

<211> 157

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 145

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60

ccgggatcag ctgatagaca tgaagcgct gnaggtaaagc ctgaggcnnc gcccccaatt
120

tgtcttgac taagaaaaaa ggaatangaa cactcta
157

<210> 146

<211> 207

<212> DNA

<213> Rattus norvegicus

<400> 146

gatcctccgg gttatagatc aagagcttca tgggtttagg atggcatcct gccaaaatata
50

ctccgggtggc tggatcaaca gtcaggttat ccactaaggt gcccagctga attaccttca
120

ctggagttaa atcccaatta ttgtgtttt tcattatgtg aatgttctta gctgttacat
180

cagctacata gacatacttc tggtcta

207

<210> 147

<211> 453

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 147

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tcacaaaggc tacgtctccc ttctcaacga ggcactggaa agccctgtta taaccattat
120

atccctctt gttttcggc gcacattttg ctggccaat acacaggta cagagggtgg
180

aattcttctt atagccagga gcacagcctt gactgaaaaa ttcatcgaac ttgcagtgg
240

tgatcctgct gaacagcagg cccataggga tggccagcc ggccgttctg tctactccag
300

tatggcagga cttttgcct ttcaggttgt tccagttgtat gctggagtct gatgccttca
360

ccacagccac ggcataatac ccttagaa agacatctga ttgtgggttt gtacacgaag
420

agatatcata gttctctgcc atgacnggca cta
453

<210> 148

<211> 140

<212> DNA

<213> Rattus norvegicus

<400> 148

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caagaaatgc ttaatgggtt cctgtattct ttcttcctgg attactcagt gctgagtgaa
120

gacttctcac caggactcta
140

<210> 149

<211> 258

<212> DNA

<213> Rattus norvegicus

<400> 149

gatctacgca accgactcggt gcagtaccgc aacgaggtaa acaccatgct gggccagagc
60

acagaggaggc tgccgtcgcg cctctccaca caccctgcgc a gatgcgca a ggcctgatg
120

cgggatgcgg atgatctgca gaagcgctg gcgggttaca aggccggggc acaggagggc
180

gcccagcgcg gtgtgagtgc tatccgttag cgcctggggc cactggtgga gcagggtcgt
240

cagcgacacag ccaaccta
258

<210> 150

<211> 98

<212> DNA

<213> Rattus norvegicus

<400> 150

gatctagaag gcaagagtaa tctcggtgct gacgctccac atcagaacgg tgaatgccac
60

cctaatgaga agggctctgt cagcatggac ctggacta
98

<210> 151

<211> 64

<212> DNA

<213> Rattus norvegicus

<400> 151

gatctagatg acacggagga gccccaggac cttccctgag gtgatttcac cttgggtgcc
60

acta

64

<210> 152

<211> 136

<212> DNA

<213> Rattus norvegicus

<400> 152

gatctccaca tcagta t aatggctatg agaaaggcct gcaagcttc tccatggaca
60

aacacacctggg ccacggcttc gctccgcagg tagatattt cgatctttc tggagctatg
120

tactctcctt gggcta

136

<210> 153

<211> 132

<212> DNA

<213> Rattus norvegicus

<400> 153

gatctccgga ggtgcgggtgc ctctgggtgt aagaccagct ttgaaggact cctacagagc

60

catctgagca gaggggcctg gcactccagg caggcgagcg atgctcaagc ttgttaccag

120

tctggtctcc ta

132

<210> 154

<211> 218

<212> DNA

<213> Rattus norvegicus

<400> 154

gatctccacc gaactggtga agagcaagct cagggagacc actggggcag cctgcaaata

60

tgggtaagc aactacatgt gtattccag tccctgtcta aagatagaga cgtcatgttg

120

ccatagctgc tcacgctcct gtgagctgcc ttctccccat cctaagtccct cctcagcttt

180

cctaaacacc tcatccactc ctttcctccc taagccta

218

<210> 155

<211> 124

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 155

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60

tactggcttc gttcagaatg aaaattgctc tcagcagncc tcattgatat ttgtgcctcc

120

acta
124

<210> 156
<211> 218
<212> DNA
<213> Rattus norvegicus

<400> 156

gatctccccc agcagcagct ccaccacaat cagaagcttg tgcaccgtct gtttgaagcc
60

aactgctgtg tgctgtggtg ctttcgaag ggcattggtc atcgttctcc gggcttcaga
120

gtactccagt tggatagcct tgattcgccc tgtgttagtag aggtacctgg cccactcatt
180

gttggtagcc tgttcgaaaa acacagactt ggacacta
218

<210> 157
<211> 43
<212> DNA
<213> Rattus norvegicus

<400> 157

gatctcattt taacccgtaa ccagtctata tgtgtttgga cta
43

<210> 158
<211> 357
<212> DNA
<213> Rattus norvegicus

<400> 158

gatctgaagc aggaagactt ccagctgctg tgccctgatg gtaccaagaa gcctgtaacc
60

gagttcgcca cctgccacct ggcccaagct ccaaaccatg ttgtggtctc acgaaaagag
120

aaggcagccc gggttagcac tgtgctgact gcccagaagg atttattttg gaaaggtgac
180

aaggactgca ctggcaattt ctgtttgttc cggctttcca ccaaggacct tctgttcaga
240

gatgacacca agtgttgac taaaactcca gaaggtacca catatgaaga gtacttagga
300

gcagagtaact tgcaagctgt tggaaacata aggaagtgtt caacctcactg actccta
357

<210> 159
<211> 47
<212> DNA
<213> Rattus norvegicus

<400> 159

gatcttggcc ttcacgttct cgtatgggtgc actggggctcc acctcta
47

<210> 160
<211> 113
<212> DNA
<213> Rattus norvegicus

<400> 160

gatcttatca caccagccag caaagtaccg gaaggtctgg atggacatgc ccacgtgcgt
60

cttcaggggcc agcgtgtaga cggcacctgc atccaggggcc tcaatggtgg cta
113

<210> 161
<211> 163
<212> DNA
<213> Rattus norvegicus

<400> 161

gatcttgat gatgacaatt ttctgggagc tgagaatgcc tttaacttgtt ttgtgtgtca
60

gaaggacagt gctgccacca ctgatgagga gcggcagcac ctacaggagg ttggtctctt
120

ccacctgggc gagttgtca atgtgttctg ccatggctcc cta
163

<210> 162
<211> 180
<212> DNA
<213> Rattus norvegicus

<400> 162

gatcttggtg accatgctac cctgaagagg tccccaggag attgcaagag tgcccaact
60

acagaggaga ctcgcaggct gtctcaggcc atgatggctt ttactactga cctgttctcc
120

ctggtgccccc aaacatccac cagctccaaac cttgtcctgt cacccttag tgtggcccta
180

<210> 163

<211> 179

<212> DNA

<213> Rattus norvegicus

<400> 163

gatcttaact gcagattcta cacatttctc atcctcta at ggttcctct ggctgccagg
60

ctgaagaaac ttcttcactg tggggaggtt gctgactctg gttctcaggg ctttcagcag
120

aggaaagttg gccaaagcgc tgggtccag ctcttccaca tggtagagaa ctgaaacta
179

<210> 164

<211> 217

<212> DNA

<213> Rattus norvegicus

<400> 164

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tagtcataag ggaaatgcaa atcaaaacaa ccctgagatt ctacccaca ccagtcagaa
120

tggctaagat caaaaactca ggtgacagca aatgctggaa agatgtgga gaaagaggaa
180

cactcctcca ttttggtgg gattacagaa tggttta
217

<210> 165

<211> 197

<212> DNA

<213> Rattus norvegicus

<400> 165

aattcacaga gacggctgcc atatttgaag atggctccag ggaggatgac attgatgtgg
60

tcatcttgc cacaggctac agctttgcct ttcctttct tgaggactct gtcaaagtag
120

tccaaaacaa ggttccttg tataaaaagg tcttccccc taacctggaa aaaccaactc
180

ttgcaatcat cggttta

197

<210> 166

<211> 419

<212> DNA

<213> Rattus norvegicus

<400> 166

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cagatccctg tcccaattgc cccctccact tgggtaccac ctaaccctgg gacatctgct
120

tcatgttagta ctatctat cctttctcac tgaggctaa ccaggcagtc ttggtaagga
180

tgagatccaa tgcttaggaac tatagactga gacaacccca gttctgtgg gagcagctaa
240

agatggcacg acatccagtg gtctttgtg gtataacaacc ataacatggg tatatacgca
300

tgtccctggc cttcttctgg catttacaag gccagggtga taagcatgtc aataaggtat
360

ctcacacccca accaattcctc agaaggacaa gtttacagcc actgcctgtt ttgtactta
419

<210> 167

<211> 159

<212> DNA

<213> Rattus norvegicus

<400> 167

aattcagttt tatcaatgaa ggtcagagcc attggaaag gtgaagtggg ggagccctgt
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catcgatccc aactgggtcg gaaccctccc acgcatgact caattcagag ctgttccca
120

ggaggctggg gcgggatgca gacagattcc aacacctta
159

<210> 168
<211> 110
<212> DNA
<213> Rattus norvegicus

<400> 168

aattcagcag aactccttga gggaaaatca tgcgtttttt atgatttcat cccgtggcac
60

aacctttaga ataatgggtt ttgttggttt aagaagtctt tgtctgctta
110

<210> 169
<211> 199
<212> DNA
<213> Rattus norvegicus

<400> 169

aattcatgt aaatggactc ctcaacaaaa agtctggatg ctgcgacaca aatctgaccc
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tggtaagaaga atactccttgc gtgtgcaaac tcatacgac tatccaagtc agcatctgca
120

aacacaatgc aagggtcttt tcccccaagc tccagggtga ccctcttcag attgcttttc
180

cctgcagctt ctgtttagtt
199

<210> 170
<211> 380
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 170

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60

gagacccacc ttccttcct tctccctgaa cagcagtctg gcacccagaa gctcagagtg
120

ccaccacctg tggtgctcag gagcccagcc tagaaagagg actccgacac agcgggcagn
180

ggctccacag acggatctat gaggaaaata cggggcagg cangcaggca ggcgacccccc
240

tgaccctctg gtggccgctg tatctgagcc cttttggaa ggcttataga caacaggtgg
300

agcccatacg ctggcatacg ggagcctggg aagggtcag gagtcagga ccactccagg
360

ctctctagca ccaccgctta
380

<210> 171

<211> 366

<212> DNA

<213> Rattus norvegicus

<400> 171

aattccctgg cttggcagac gtcaccatcg cagaagtggc ctgcaccgct gagcgtgg
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tttgcagcaa gtactcggtt cgaggctacc ccacattgtc gctttccgg gggaggtgag
120

aaagtgggtg agcacaatgg aggcagagac ctcgactctc tacacagctt tttctgcgc
180

caggcaaagg atgaactcta agaaccctgg tgaagccgtc atccaccctg gccttatgca
240

ccccgtgcat aggagtgacc tcacatggac atgcgtatct tcactgtgg tagtcagaac
300

gctgaatgta ttgagcttgtt gttgcttgct gtgtgccctt tgagccacca cacactacgg
360

acctta
366

<210> 172

<211> 339

<212> DNA

<213> Rattus norvegicus

<400> 172

aattccatca gtaaagctaa agcagctacg tctggtccgg tctcttcttgc atctgtttct
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agatatggaa gcagctacag ggcaggaggt cgagctatgt tttagaatgca tcgaatggc
120

caaattcagag aaaagaacct tcttacgcca agcattggag gcaaggctgg tgtctttgtt
180

ttttgataacc aagaggtccc aggaaggcatt acatttgggt tctcagctqc ttcccggagtt
240

aaaaaaagatg gatgataaag ctctttgggt gaagtacagc ttttagaaag caaaacttac
300

catgctctga gtaatctgcc gaaagcccgaa gctgcctta
339

<210> 173

<211> 290

<212> DNA

<213> Rattus norvegicus

<400> 173

aattccaaga gttcgaggtg gtggcaccca ccgttctggc cagggtgcct ttggaaacat
60

gtgtcggttggaa ggccgcattgt ttgcaccaac caaaacctgg cgtcggttggc atcgcagagt
120

gaacacaact cagaaacgat atgccatctg ttctgccttg gctgcctcg ccttaccagc
180

tttgggtatg tctaaaggc atcgtgttga ggaagttcct gaactgcctt tgggtgttga
240

agataaaagtt gaaagttata agaagaccaa ggaggctgtt cagctgctta
290

<210> 174

<211> 199

<212> DNA

<213> Rattus norvegicus

<400> 174

aattccataac actcaggctc tgcccggtgg cttggctgca ggacagcgac ttgactccat
60

gacttgactc cacccagct tccaccttgg ccgggactgc tctaccctgt gagccaaaca
120

ctttaggtgt aagtaggtac actttgtgat gtcactgacc tagtgtaccc tttcttttt
180

catatctata ctgacacctta
199

<210> 175
<211> 165
<212> DNA
<213> Rattus norvegicus

<400> 175

aattcccaagc aacagataca atgagggct gcgcgtgagct cttcctgcca gaagcagacc
60

atcttctcac ggcatccctc atctcacaag tgtccaggac catggggaca ttgcattcaa
120

agcaccgtac ctgcgttcta attgatggtc aaggttatat gctta
165

<210> 176
<211> 46
<212> DNA
<213> Rattus norvegicus

<400> 176

aattccagca ataagaaatg aacaaagatt ggagctgaag acctta
46

<210> 177
<211> 39
<212> DNA
<213> Rattus norvegicus

<400> 177

aattccgaat gtggattgtg atttcctgc ttccactta
39

<210> 178
<211> 283
<212> DNA
<213> Rattus norvegicus

<400> 178

aattccaccc aaggctgctg ggtctgactg gttctacaga acaagtggcc catgctagtc
60

gcaactaccc tgtatactac agcgctggc ccaaggacga ggaccaggac tatattgtgg
120

accattccat tgcoatctac ttgctcaacc cagatggct cttcaactgtat tactatggc
180

gttagcaggc agcagagcag atcgttagaga gtgtactgcc ggcacatagc tgccttccat
240

agcatactgc cctgaactgt gtactgccta ggccctgtca tta
283

<210> 179

<211> 223

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 179

aattccacag aaggttgtat ggagatttga tggtaagaaa ccagataacct taggatctaa
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cactcggctg tacaagtggc tccccagaa tgacnttctt ggtcatccna aaaaccnaaa
120

gctttttagt ctcatggcgg aacaaatggc atctatgagg caatctacca tggcattcct
180

attgttggta ttcccttgg tgcagatcaa ccggataaca tta
223

<210> 180

<211> 182

<212> DNA

<213> Rattus norvegicus

<400> 180

aattccctgg ctttctgggt ctagagtgtt ctgtgcctcc aaggactgac tagcgatgac
60

ttgtattggc caccaactgt agatgtat acgggtgtct tctgtatgcta agactccaga
120

cstttcttgg ttttgcttgc tttttctgtat tttataccaa ctgtgtggac taagatgcat
180

ta
182

<210> 181
<211> 189
<212> DNA
<213> Rattus norvegicus

<400> 181

aattcctcat tggcatgtc accgaaggcg ttcatctcca tggtaaagcc gtgcttcccg
60

ttgctgtact ccccattgtg tagctggatc atcctcatgt tcttctccca cactgctctc
120

ctccactctt cctcattcgt gccatacagt cttctgtgtg tggacttcca ctggtgccac
180

tgtgcatta
189

<210> 182
<211> 160
<212> DNA
<213> Rattus norvegicus

<400> 182

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60

agtgacagct agtgtgtcg cgcgctctct cgctctctct cttctccct ctctctctcc
120

ctattccctc ccctcctctc ctctgccct tcctggttta
160

<210> 183
<211> 287
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 183

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60

agtttcctac tattacttc tgaggttgg agatgattac agnccggac taaggaggcg
120

gacacaagga gacaagaaga cttcgatga atgcgtggct gaggcggctc agactgtgct
180

ccagagaagc tctggcttca gatcccggttc ttctgtggcc actagctcag aatgctggaa
240

tgttggaaagc agatgggcga tggatcaagc taagtacanc ctggta
287

<210> 184

<211> 135

<212> DNA

<213> Rattus norvegicus

<400> 184

aattcgtcaa agcagcacca ggcccccac tgcgtccaaac cactgaagaa ggcgcgcgc
60

atctgaaagg caagcaaagc tgcgtccaaac cactgaagaa ggcgcgcgc
120

cataatctag agtta

135

<210> 185

<211> 79

<212> DNA

<213> Rattus norvegicus

<400> 185

aattcgtccaaac cactgaagaa ggcgcgcgc
60

tggctggcca ggtgtgtta

79

<210> 186

<211> 413

<212> DNA

<213> Rattus norvegicus

<400> 186

aattcgtagg aagcttcaaa accaaacaag acttcataaga tttgattgaa gtcatctacc
60

ggggagctat gcgagggaaaa cttattgttc aaagtccat tgaccccaag aacataccca
120

aatacgacct cctctatcaa gacatttagc actcgctgct gttggagaga agagaggcac
180

aggctgaagc agaacctgaa ctcagagagc ctgtggtctg gagtcctca gagacatgct
240

cactgcctga gcaaagaggt ttcataaggc tgtaatcaac ggccctctg cagaagcccc
300

agtgcctcca gaatggagat gcctgagcgc ccattctctg agagcctcag agcagtgagc
360

gagtgacagg tggcattgta acggaccctt tatcttgact gtctttcccc tta
413

<210> 187

<211> 362

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 187

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60

gcttttcagc cttcccttcc gagctactgc atgccccaga aaagtgggtg aaggtcaagt
120

ccccaaactc atctcctatt cctacatgga acgtgggggc cncttgctg cctttgaaga
180

gcccaagctt ctggcccagg acatccgaa gttcggtcc ctggctgagc tgca tagtg
240

acactggata ccaactgtgg cttagcagc agccctgggtt cctcccaagt cacacttatg
300

gaagatgacc ctttctnag gaataagttt gttccctgac cacactcgag gaccagact
360

ta

362

<210> 188

<211> 74

<212> DNA

<213> Rattus norvegicus

<400> 188

aattcggggc tgttcagat ttcctacact ctgattggta ggtgtgtcca tctggacagt
60

ttattcttagc ctta
74

<210> 189

<211> 267

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 189

aattcggggg gcgcgttgggc ttcacggcga tgctgatcct gctgcctgcc accatgttcc
60

acctgcttct ggccggccgc tcgggtccgg cgccgcctcct ggccctacca gcctatctgc
120

ctgggctgga ggagctgtgg agcccacggg ctctgctgct gttgttcatc tggctcggcc
180

tgcaggtggc gctctatttgc ctgcctgcac gcaaggtggc cgaggggctg ganctgaagg
240

acaagagtcg cctgcgtac cctatta

267

<210> 190

<211> 192

<212> DNA

<213> Rattus norvegicus

<400> 190

aattctaaac atatgccatt gtggaagaag caaagccacg gagatagcag gccagtgcag
60

attcactgat gtgacaactg cattctctca ggttaggaca ttgggtggaag gagcctctgc
120

acttatgggc tgttagcta tggAACCTT gtacttcctg ccaattttgc tctgaaactc
180

aaactgcctt ta
192

<210> 191

<211> 83
<212> DNA
<213> Rattus norvegicus

<400> 191

aattctagat ttcttgtaa actatcaaat ctgtatatgt atgtaataaa gtgtctaattg
60

ctaggagttt attggaaggt tta
83

<210> 192
<211> 56
<212> DNA
<213> Rattus norvegicus

<400> 192

aattctcaga aactatataa tacattctgc tggccaa tgcaaagtgt acttta
56

<210> 193
<211> 42
<212> DNA
<213> Rattus norvegicus

<400> 193

aattttcag aaatgtggtg tctaagaaca ccagaccctt ta
42

<210> 194
<211> 133
<212> DNA
<213> Rattus norvegicus

<400> 194

aattctatgc attgatttac atgtactgaa ccatacttct ttgactgtaa tggagccaaac
60

ttgtggtaaa tggttatattt catatgttct tgacttgata taaaatattt tactataaac
120

tttcatatg tta
133

<210> 195
<211> 79

<212> DNA
<213> Rattus norvegicus

<400> 195

aattctgacc acatgagctt cctagacaga gtgaagaata tgcttatcc tgcgcattgg
60

atgtatccat gccatgtta
79

<210> 196
<211> 65
<212> DNA
<213> Rattus norvegicus

<400> 196

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60

tgtta
65

<210> 197
<211> 64
<212> DNA
<213> Rattus norvegicus

<400> 197

aattcttcag aaggtagtg aagctatttg catatgtaaa taaactgcta agattgtcat
60

gtta
64

<210> 198
<211> 41
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 198

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41

<210> 199
<211> 36

<212> DNA
<213> Rattus norvegicus

<400> 199

aattctgcaa attgccttac agactagcca tactta
36

<210> 200
<211> 218
<212> DNA
<213> Rattus norvegicus

<400> 200

aattctctac catctgttac aggctgtggg atgtcagagg aaggaacggg gtttgggtgg
60

ggtaaccagg gcaggaccga gcagcaggat tcccgcaaga gaaaggaggc agatgggcct
120

tcaagagct ttaggaagcg actaacagca gagtgctgg gaacatacga atcagtctct
180

tgcattttgt aataaaccac acacaagact cgccatta
218

<210> 201
<211> 151
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 201

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60

acctgcttgt cacatttgca cctatgagtc aagacatgtt tgttaccttt atttgattt
120

atttcttatta caattcaatt ttttccttt a
151

<210> 202
<211> 63
<212> DNA
<213> Rattus norvegicus

<400> 202

aattcagtca cgga~~ctttat~~at gccttgaaa gttgtcacca ttttattgtc accctccatc
60

tta
63

<210> 203
<211> 221
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 203

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60

ctggaaaaaa ttgataaaata acaggtaaga gaaagatatt tctaggaaat taggattgtt
120

ggcacagtga gtcctgtggg gtgttggac acagccacag gacaggcctc ctgacagtgc
180

tgcagatcag acggcaaaag aaagcagaac tgtctggttt a
221

<210> 204
<211> 178
<212> DNA
<213> *Rattus norvegicus*

<400> 204

aattcctcca tcattgcaga ccggattgca ctcaagctgg ttggccctga gggctttgta
60

gtgacagaag caggattcgg agcagacata ggaatggaaa agttcttcaa catcaagtgc
120

cggtattctg gtctccagcc tcatgtggtg gttcttggcc ccactgtcag ggctctta
178

<210> 205
<211> 233
<212> DNA
<213> *Rattus norvegicus*

<400> 205

aattccagaa gaaaaaggca ggatcacagt cctagtgggg aagctgcttc ctggccacc
60

cgaagacacc aagttcaacc accgtccatc cagaaatgag aagaacaata ccctagagca
120

aagtcatcca caccaggatc acactccgct gctaacctga aatgcataaa cagaaaccca
180

tagtatttat gccctcttag gcaggtgtcc acaataaaat tgtgagcagc tta
233

<210> 206

<211> 74

<212> DNA

<213> *Rattus norvegicus*

<223> unsure at all n locations

<400> 206

aattcggaaag gaactctcca acnnnctcggt cagggagata tagccgcttt ctatctaaaa
60

gactcattac ttta

74

<210> 207

<211> 54

<212> DNA

<213> *Rattus norvegicus*

<400> 207

aattctccag ataatggta ttaagacaat tctttccagc atgctcaagg gtta
54

<210> 208

<211> 240

<212> DNA

<213> *Rattus norvegicus*

<223> unsure at all n locations

<400> 208

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60

tcaaactctt ctaacattgc aatatgctaa tattgttaga ctgctacaga tgcactgaaa
120

cacagaatat gatctttaa gggccaaaa atgctacggt gtgaaaatat cacaatgact
180

gtcttcnct taaaaaagtc acataaaatg cagtttagaa caaggngaaa cataggtcta
240

<210> 209
<211> 147
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 209

aattcagggat atgnnnnngtg gntataaaagt acatttctgt agtgtgtgtg ctaccttagt
60

ttnatgttct ttatgaaaaaa ttaaaaacct cccctccac aactttctc ttgctttgaa
120

tataggtaag atcataaacat ctagtcta
147

<210> 210
<211> 67
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 210

aattcatgga aaacnnntat gttatTTTA atacataatg ttcaaaataa nnatatgttc
60

tactcta
67

<210> 211
<211> 41
<212> DNA
<213> *Rattus norvegicus*

<400> 211

aattcattct gttttttaa tctaactttt atatcaatct a
41

<210> 212
<211> 99
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations

<400> 212

aattcatctc ctccngaaag caaagttatg actattctt ttcacagatc aaattacaag
60

gggactaata gtgatgtaat ggnaccatg ccctgccta
99

<210> 213

<211> 141

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 213

aattccatgt ctatggnttc caagtcngna gagaancacn nggatgactg ccaggaggac
60

ccaggtttcc agtgtgagag ctgaaancag gtccatccct gcttgtctgt cancaaatta
120

ctcctcggtg ttctccctct a

141

<210> 214

<211> 134

<212> DNA

<213> Rattus norvegicus

<400> 214

aattcctcca ccatttaatt cagctccaaat caattttcaa tattgtctac actgttccct
60

gcaaaccat acccatthaag atttatgact attcctccta ccctgtttcg cttgctgtgc
120

cacgtgctaa tcta

134

<210> 215

<211> 121

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 215

aattccccga cccagagata tttgaccctg gccactttt agatggaaat ggaaagttta
60

agaaaaagtga ctatbtcatg cctttctcag cagaaaaacg gatgtncag ganagggtct
120

a
121

<210> 216
<211> 254
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 216

aattccgtaa agaaataata ttctccttca aaaagaggct ggcccgattc caccgaagga
60

aagagatgga aaaaaacaaa caaaccatcc tgaagtcagc ttctccatgt actgtcacaa
120

tgagagactc aattgcctcg tgagtgtggt ggagggagga aaaagggttc atacctgcct
180

cattaggaag agcagaacta tggtaagan cacagtggac tggatgttac actcantnnn
240

ccacttaata gcta
254

<210> 217
<211> 107
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 217

aattccgnnc cgaacaaggc cacangtgan ncttactgga ntccatgctg ccatttttt
60

gtctgaaaat gtcagtactt aaaagtattt agnnaacact cgagcta
107

<210> 218
<211> 37
<212> DNA
<213> Rattus norvegicus

<400> 218

aattccttgg tattcggtat cagtaggaat ggggcta
37

<210> 219
<211> 291
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 219

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60

anaagaaggt ggacntgtcc aagcccttgg taagccacat gcggctccgg tgtcacagcc
120

tgccacgtgg tcctggggc cttcctctgt ggcaaaccgg atgtgcctgt ctacgatggc
180

tcctgggtgg agtggtacat gcgtgccaa ccggagcacg tcatntntca gggccggggg
240

aagaccctgt gaangacaca gtgcagcttg ggtgacacccg gaaccatcct a
291

<210> 220
<211> 289
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 220

aattcctgga aaaagacata tcagaggaan ttcttaataa aatcatctac cacacctcct
60

ttgatgtaat gaaggaaaac ccaatggcca actataaccac tctaccctcc agtatcatgg
120

accactctat atctccttcc atgagggaaag ggatgcctgg agactggaan aactacttta
180

ctgtggcaca aagtgaggat tttgatgaag actaccggag gaagatggca gggagcaata
240

ttaccttccg cacagagatc tgagagcagt gaggnagagg ganncccta
289

<210> 221
<211> 91

<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 221

aattccaggc cagctnnntca antaagatcc tatcttaaag tanaatgaaa tagggttggg
60

gatttagcta cantgnnana gcacttgct a
91

<210> 222
<211> 166
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 222

aattcccaaa acctnnnacg aagtctccgg antgagtcaa ctataccgct ttcttggcat
60

gagtcagag gcctccgact ccacagagan cagtcagtn ttctgtctta ctgcgctaca
120

cgtagaagag ctaagaaatg gagccggtn ncagaccccn ggacta
166

<210> 223
<211> 112
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 223

aattccagan tcagcaccaa nngacagacc attctaaaat gggcaaagga ctgaacggat
60

gntccggatt gacagtgacc acacagccca tganganccc acaggaccac ta
112

<210> 224
<211> 65
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 224

aattcgtaaa gaggannctc acnntgaaaa cataaactgc cacagtaagn ncacaaacct
60

gtctca
65

<210> 225
<211> 44
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 225

aattcgccaa gagcgttga ntgacagctc tttgtgtatg tctca
44

<210> 226
<211> 105
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 226

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60

cctctgtttg ccatcacnga cacagaaatg ancaagaatg tgctca
105

<210> 227
<211> 110
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 227

aattcgagac ccaanncacn aaccnnaacc cacaaccaca acagtaacna gaacaagaag
60

aaagaaaagca aaagggttgg gattnagntc agtggnagag cgcttgctca
110

<210> 228
<211> 392
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 228

aattcgggag tngggnnccct tctgantctt gcancaaaga ggctnttcta tagcatgnnc
60

nangatgctg gcttgggtgtg aacnnatctc tggcatatct gatgangatg cangnccagg
120

atcccantgt ccangnatga nccagcaacc ctggaaacct acactcccc gaaaaaacc
180

anaaaattgaa agaanancaa actaaaagga ngcnaaacad ataaagcatc antcacagtt
240

tgnnccagcc tngatctgac ntcgaanaag cctgaagaca gatgtgcccc ncttcanaca
300

cgtctggctt ctggcaccac ttgtgagctn cctgaaaagtc accannctcn tgctgtntcc
360

caanncaang nnatgagnnc ccnaacacac ta
392

<210> 229
<211> 81
<212> DNA
<213> Rattus norvegicus

<400> 229

aattcggaaag gactctccaa tgtcgttcag ggagatatacg ccgctttcta tctaagaaca
60

tcattacttt aacaagtact a
81

<210> 230
<211> 203
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 230

aattctggac caagactctg ccccagaaga tccaaagagct aaagggttct caggacaatc
60

acacagagct ataatgtcct gtgtcaagaa aactgtgttag acttgangta cagggtttct
120

gaaggctcta aagtctacac ttgaatggat atatcacatc tggtggatga ccctgcaatt
180

aagggttgaag tcgaccatgt cta
203

<210> 231
<211> 110
<212> DNA
<213> Rattus norvegicus

<400> 231

aattctgctc tgtgtatcct gatccaccaa gcagtcactt ggttagcagaa aagtggctt
60

atgtctgctc ttaactgtgg tggcgcttct gggactgtct tccagctcta
110

<210> 232
<211> 252
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 232

aattctggaa taagannct gtttttaaaa aaggaactgc cgcaatctga aagacttcca
60

aagaangtta gagcacagta catactaccc ctgccctgct cccaccaccc gctctccaca
120

accctccccc atgtgcaact gacactcctc cccagtcgat gctcctacct acctttcagc
180

ccacgtcatt cgtagtgtcc atcttgnaa gccctgttgt gccacacagt ntaacnngcc
240

ccctgcagc ta
252

<210> 233
<211> 120
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 233

aattctgtgt gaaaancctc anaccacttc tcctgggncc tttaaactcc tggaggttta
60

gggaggccag tttccatccg cactgaattg gggagaanaa aactggnccc aattacgcta
120

<210> 234
<211> 47
<212> DNA
<213> Rattus norvegicus

<400> 234

aattctaagc cgagtttaac atgttcaaga tatctccgtt tcagcta
47

<210> 235
<211> 121
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 235

aattctccga cccggnata tttgaccctg gccactttt agatggaaat ggaaagttta
60

agaaaagtga ctatttcatg cctttctcag cagaaaaacg gatgtgtncg ggagaggcct
120

a
121

<210> 236
<211> 65
<212> DNA
<213> Rattus norvegicus

<400> 236

aattcatcca caccaactgg acatgccac ggtggcagtg tgcgtcctc ttcatacaat
60

gccta
65

<210> 237
<211> 49
<212> DNA
<213> Rattus norvegicus

<400> 237

aattccctac acagaccaga actggcttt aactctacca ctacgtcta
49

<210> 238

<211> 48

<212> DNA

<213> Rattus norvegicus

<400> 238

aattccctgg gtgcctttct ttacaaaatg gggtcaataa ataagcta
48

<210> 239

<211> 74

<212> DNA

<213> Rattus norvegicus

<400> 239

aattccatat gtaataggat gcaagtctaa gcgttcatg tggacataaa tgtatctaaa
60

taaaaacttcc ccta

74

<210> 240

<211> 142

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 240

aattccaggc tgggnttgcc tttctctgct ttcatgacct cttgacccca acgagctgat
60

gttaggacca caacactggt aggtggtaa aaaacaagca acaaggctg gggatttagc
120

tcagtggtag agcgcttacc ta

142

<210> 241

<211> 184

<212> DNA

<213> Rattus norvegicus

<100> 241

aattccaaga gtgacttgct ccctccccct tctccaccga aaaccaccca aagtgggaaa
60

tgaatctctt caccagcacc cctctggcca caggcaaagt atgccacagg cctctgacat
120

actttggaca gactgccagc taacacccac caccccatg ttaagacaca tctctggatc
180

ccta

184

<210> 242

<211> 71

<212> DNA

<213> Rattus norvegicus

<400> 242

aattcccaag gtcaaatgcg gttagctgct gtggacttcg atatgaaaca ttttacctct
60

ccctttgcct a

71

<210> 243

<211> 391

<212> DNA

<213> Rattus norvegicus

<400> 243

aattcccta cacattggat taatcttact aacatgacaa aaaattgctc cactatcaat
60

tctataccaa ttttatcaac tcctaagccc aactatcacc accattctcg caatttcata
120

agtctttgtt ggccctgag gaggacttaa ccagacccaa acacgaaaaa tcatacgata
180

ttcatcaatt gcccacatag gatgaataac agcaatcctt ccatacaacc ctaacttaac
240

cctcctaaac ttaacaattt acatcctact tactgttcca atattcatca cactcataac
300

aaactcagca acaacaatca acacactctc actcgcatga aataaaactc ccataatcct
360

aaccatagca tccatcatcc tcctatcact a
391

<210> 244
<211> 175
<212> DNA
<213> Rattus norvegicus

<400> 244

aattcgcctt gtcggatga gagagtggaa gactgagtaa ccatggctcc gccgtgcctt
60

cactggctct tttccgtgta gcatctctgg gcaagtgagg gaggcatatt agtttccatt
120

tgcaggtgtg gaacactgag ccccagaaag gacaagaaga ctcattcagt agcta
175

<210> 245
<211> 194
<212> DNA
<213> Rattus norvegicus

<400> 245

aattcgccaa ggatgactcc gatagcatga gccgaagaca gacttcttat tctaacaacc
60

ggagcccaac gaacagcact gggatgtgga aggactcgcc caaatcttcc aaatccatca
120

gattcattcc tgtctccact tgagccccac gttcacgcag cccgactctt gggagggact
180

tttgtgtcca gcta
194

<210> 246
<211> 44
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 246

aattcgggtt gggatttag ctcagtggaa aaacgcttgg ccta
44

<210> 247
<211> 198
<212> DNA
<213> *Rattus norvegicus*

<400> 247

aattctggag atggacacg agatcagtt caaggtcatc ctttagctact cactgcata
60

taagttttag gtctgcctgt gctacatgag accgagggag agaaaggagg ggaaggagtc
120

aagcggtagt tgccttaat cgacgcattt gggaggcaga ggcaggtgga tctctcggtt
180

tgaggccagc ctggtcta
198

<210> 248
<211> 332
<212> DNA
<213> *Rattus norvegicus*

<400> 248

gatccgccccac tccttctgca tacatgtcga tgagggctct ctccttcatg tccttcccat
60

agaggttgta tttgggtggca atgttagttga gaatggctct ggtctgcacc agtttcatcc
120

catcaatctc caccatgggc acttgctgga acatcaaact cccatcattc ctttagcctgg
180

ccaggtcatc ccgagtttgc agaaattgtt cttcaaactc tactccagct gcagccagga
240

gccaccggat gggctccatt ctccccctgc catcgaagta gtgaaggact ggcttccccg
300

gcatggcagc aattgcttga gttctcttgt ta
332

<210> 249
<211> 481
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 249

gatcctgggt gttcgcagca cagtcctggg tcactggccc agaggagccg tggtatcaag
60

gcacaaagtg aggaagtggc cctgggaggg gcggggggcgg ggcagctccg agctcaggca
120

gtagggcact catggtacca tgagggtggc cagtctgcag gaggcatgga gtgaaggcca
180

gtgctggctc cacttggaa gaaaggcgtt acagagcccc ggagtccgag gcagttggtc
240

tctgccancc atggcgtatc caagcctcct atccattccc cctgtacctc tggagatagc
300

ctgtccataa gatggctgtc ctgcctact gggccactt gaagaacaaa atgtcatttt
360

attctcttga gaaaagaaaa agaggaaatc attttgccc ctgcttggat gcctagaagt
420

ctaataagcc tcattacaaa aagacgtttt ctggctctca tctggcggtt tcttggctt
480

a
481

<210> 250
<211> 441
<212> DNA
<213> Rattus norvegicus

<400> 250

gatcctgtgg taggagtctt gaaatgcccgg ttgaactgct gagaggatac tccacactcc
60

accatcgact tccgtaggct tctcagcaac ttggaattgt tcttgatctt caggtttggt
120

gaccaccatg tgcgtgagag gagtgacaaa attgtacttg agtgacaaatg tcagaacttg
180

ggcctcgagg gcctctaact cagtcctga ggctqaaatc ctctgctcca gctgttgctg
240

tatggtcagc aacgcccaga gtctctccat aaagttatga aagatgtact taggaccctg
300

gaactcttc tcttgggg ctatgctggc ctccgtttgg aaagtgtatgt tctgcagggtg
360

catctgccca ctgactttgg ctaagaggac atcagggccc tggtcccgga ctccccagcc
420

accaccatct ctgagccctt a
441

<210> 251
<211> 193
<212> DNA
<213> Rattus norvegicus

<400> 251

gatccacaca accaaaccaa catgagtgaa agagtttagca acacggcctg tggttcgcc
60

atgtttgggt gtcttggagc aaagctgcta tggagaaatg tgcaggtgcc tagggatgc
120

tgtactgctc tagaggatgt aactcaactc acagggtgac tttttgatgc ctgacccaat
180

tactagttga tta
193

<210> 252
<211> 156
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 252

gatcctggga ggtatgttgcac cacacccttg ggaatgccag ctttcagtgt cagctcgca
60

aacttcaagg ntgtgagtgg ggtcacctgg gcaggcttga tcaccacggc gttcccagcc
120

gccaggcagg ctgcatcttc caggatacca tcatta
156

<210> 253
<211> 101
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 253

gatccgaacc caagaggtaa aaaccttccc gcgcgaccag aagtgtccga ggcttcccg
60

gaggcggtgg gacttacttt cccaagaana aagcaggatt a
101

<210> 254
<211> 228
<212> DNA
<213> Rattus norvegicus

<400> 254

gatctgcacc gtttgaagg aggaattcta ccacagctat ttgcccgtgt gccgcagccc
60

acatcagggg agtaaatcct tcttcatccg tgtgattgtat aacattttct tttcaatac
120

gagtagccag gtagagcatc tctccctgag ctgccaactg gtgaacagac agagaatttg
180

ctaacagagg tgtggtggag acctcggttc ccctgtgtt gttggta
228

<210> 255
<211> 177
<212> DNA
<213> Rattus norvegicus

<400> 255

gatcttacg tggggctct ttaggtatg gactttatt tactccaaag ggcatttattt
60

caaactctcc ccctcttggt gaaagttcag attccacagc aggtgctgat agtacaacca
120

tgtccatttc ataacaatat gtaggatgtt tgatcttcaa gttggtaat gctgtta
177

<210> 256
<211> 447
<212> DNA
<213> Rattus norvegicus

<400> 256

gatcttgggg tgtggtagg gattccagg gtgaaggttag attatttattt agggtggaa
60

tgtttcattt acatgaagag gaatatgcc a agaacctgct ggacaagtcc atatcctgaa
120

agaggaagtt gaatctgtaa tctggccata agttatgtga ctttcctcag aggatttctg
180

gggttacagg caggagtggc tgattggtca taacagtacc taattatcat atggtggaa
240

ggactgagtg ggatgtatgt gctgaacctt gtggcacttg caggaagctt tgtgcaaggc
300

cattctctag ataaggtag gcacttgc tttagaacact ttccagataa gattggcaa
360

aggagaggaa accccactga gaaaggaggt cttccatttt gcaccaggtt cagagagctt
420

atctagacat ggtcgacttc aaccta

447

<210> 257

<211> 350

<212> DNA

<213> Rattus norvegicus

<400> 257

gatctaaaat acctcgggaa tacatgtcaa tcagggctct ctccatcg tcctccat
60

agaggtcata tttgggtggcg atgttagttga gaatggctct ggtctgtgcc agttcatcc
120

cgtcaatctc caccatgggc acttggtcaa acatcaaatt cccgtcttc tttagcttt
180

ccaagtcttc tggactctgt ataaacttct cttcaaactc cactcctgct gcagccagga
240

gccaccggat gcactccatt ctgccccggg cattgaagta gtgaagcact ggcttccag
300

acatagcagc aactgtgctt tcactqtcta gcgagaatcg tggcttctta
350

<210> 258

<211> 155

<212> DNA

<213> Rattus norvegicus

<400> 258

gatcttcacc attggggttc ccagttcttgc aaagttggc ccagtacttc atcaccctcc
60

tcttcagcag ctcctcctcc tcagtggat caaaggcat gccccacaag taggagccaa
120

agacaaagag aatgtcatca ccatggtctg cctta
155

<210> 259
<211> 37
<212> DNA
<213> *Rattus norvegicus*

<400> 259

gatccgtacc ctaggtcaga gctgtgatct ctgctta
37

<210> 260
<211> 40
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 260

gatcctggng atcagtgtgg ggctcacctc caatgggtta
40

<210> 261
<211> 224
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 261

gatcctatgg gctccgtgg cagctagcct agccagcata nggagctcca ggttcagtga
60

gaagacttgt ctcaaaaata agagggaaaa agcaaatgag gttgtcacaa atgtgtactc
120

gtcataaaaaa tgccatccat gcaaatttat acacacacac actcacacac tcacacacac
180

acacacacac acanacanac acacacacnc ncnataccc atta
224

<210> 262
<211> 31
<212> DNA
<213> *Rattus norvegicus*

<400> 262

gatcttgaaa agactgttcc cttcatgatt a
31

<210> 263
<211> 53
<212> DNA
<213> *Rattus norvegicus*

<400> 263

gatcttcgaa ctaaacgctg gggcgccac ctccgaatcc caatttctaa tta
53

<210> 264
<211> 63
<212> DNA
<213> *Rattus norvegicus*

<400> 264

gatcctaact cattagtgt aacgaccctc tccagcgtcc ctgcgccccat ctttctgtcc
60

tta
63

<210> 265
<211> 105
<212> DNA
<213> *Rattus norvegicus*

<400> 265

gatcctattg aggcgagcag ggacctggct ggacaaggac acacttaaaa cccgattttg
60

ttccaaattc tggaaaacat agacatttaa ctctgaagat gccta
105

<210> 266
<211> 66
<212> DNA

<213> Rattus norvegicus

<400> 266

gatctaaagg accaaggcagt atgtcagtag ttgttaacgt agcagtagct gtctgtctgt
60

atgcta

66

<210> 267

<211> 137

<212> DNA

<213> Rattus norvegicus

<400> 267

gatcttggcc acaaaggcgc cccctggctt caagacatga gtagcaatgt taagggcgcc
60

aaggcagaagc tgggcctgca tgtactcatc tacatcatgg aggccagtga catcaggagc
120

cccggtcacac actacta

137

<210> 268

<211> 197

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 268

gatccagtc cctccagtc tgacntgcta ctgctcagcc aggctccata cctgacaggt
60

tgtttcttgg ctcctctttt gtcatctcac ttgtcctgcc ttctcctgac agtaacagct
120

gttcntcagg tcaactggat caggccccca tgcctctaa ggagcaggaa gtcctcctac
180

ctaccctacc cacccta

197

<210> 269

<211> 40

<212> DNA

<213> Rattus norvegicus

<400> 269

gatccgcctc tcccaggagc atcaagccta ccgctggcta
40

<210> 270

<211> 109

<212> DNA

<213> Rattus norvegicus

<400> 270

gatcctattg gagctggta aataggtcat tttcttatca agaaaaacaa cttctgaaga
60

cagggtttca cacatctcag gattggccat gaactcacta tgcagccta
109

<210> 271

<211> 51

<212> DNA

<213> Rattus norvegicus

<400> 271

aattcacaag gaaggagctt agaacagaca tctatttctt actgattgtt a
51

<210> 272

<211> 36

<212> DNA

<213> Rattus norvegicus

<400> 272

aattctacag aaccgtgttt atgatacagc cgttta
36

<210> 273

<211> 36

<212> DNA

<213> Rattus norvegicus

<400> 273

aattcagcct tagaaaaaaa taaaattgct gcctta
36

<210> 274

<211> 67
<212> DNA
<213> Rattus norvegicus

<400> 274

gatccactt tattaggaac aaatgcaatc tcaaatcagt acaattaggc ttcaagagtt
60

gatatta
67

<210> 275
<211> 287
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 275

ggcaatgaac cactgttagcg gggcttgca ttgctggctc tacctacagc tattactggt
60

cattggaaga ccttagagtc agaatcttct tgtgtaagag ccctgaatgn tgtgaccaac
120

cccagtgtct acagcatctt tgcagctgtt aatctcactg ttctcggtcc tattgaagaa
130

attactggcc cagaaatgcc tttgggtgtt ttggcagact ttaaggcaca tgcgcaaaag
240

cagctgtcta agaccccttg ggacttattg aaggagaagc tgacgac
287

<210> 276
<211> 260
<212> DNA
<213> Rattus norvegicus

<400> 276

ggctccagct ggaagggttga atattgagtg tcctggagg tcacattgct gtcagacatg
60

gctgctggac atggtcacga acacggacat ggtcatggta aaatggaact tccagattac
120

agacagtgga aaattqaaqq qacqccatta gaqcaatgc agaagaagct tgctgcacga
180

gggctgaggg atccatggc tcgcaatgag gctggagat acatggcgg cttgcagaca
240

atatcacctt cacgagcgta
260

<210> 277
<211> 299
<212> DNA
<213> Rattus norvegicus

<400> 277

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ctgaaggaga tggcccgagtc gatcttcatg gcaggcatac tggttggagg acctgtgatt
120

ggagaactgt cagacaggtt tggccgcaag cctatcctga cctggagttt ttcatgctg
180

gcagccagcg gctctgggtgc tgccttcagt cccagcctcc ctgtctataat gatcttccga
240

ttcctgtgtg gctgcagcat ctcggcatt tctctgagca ccgttatctt gaatgtgga
299

<210> 278
<211> 139
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 278

gngagataacc atgatcacga aggtggttt cccagggcga ggcttatcca ttgcactccg
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gatgtgctga cccctgcgtat ttccccaaat gcgggaaact cgactgcata atttgtggta
120

gtggggact gcgttcgcg
139

<210> 279
<211> 328
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations

<400> 279

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gctggggaa gattggccat ggtggtaat atggcgagga ggccctacag aggatgtcg
120

ctgccttccc caccaccaag acctacttct ctcacattga tgtaagcccc ggctctgcc
180

aggtcaaggc tcacggcaag aagggtgctg atgccttggc caaagctgca gaccacgtcg
240

aagacctgcc tggtgccctg tccactctga gcgactgcat gcccacaact gcgtgtggat
300

cctgtcantt cagttcctga gccatgct
328

<210> 280

<211> 312

<212> DNA

<213> Rattus norvegicus

<400> 280

ttacaaccca ggtgtggatg ctggagtgtt tcctttgtct tctattttaa agatatcttg
60

aaaaaaaaacct gtcactgtcc ttttcctgct accatgtctt ccatcaagat tgaatgtgtt
120

ttaagggaga actacaggtg tggggagtcc cctgtgtggg aggaggcatc aaagtgtctg
180

ctgtttgtag acatcccttc aaagactgtc tgccgatggg attcgatcag caatcgagtg
240

cagcgagttg gtgttagatgc cccagtcagt tcagtggcat tcgacagtca ggaggctatg
300

ttgccaccat gg

312

<210> 281

<211> 289

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 281

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cattctccct agcctgcntc tcttgcccg naacgcgggg ngcagggttg ctccctaaaan
120

ctctgtgcat ctgcgtat aaggaccaac agctgggggt gtagctcagg gcagagtctt
180

gcctggnaag cccggatgcn ttgaggcctt gaccacccnc agcacanana naaaatgaag
240

gaagacccaa ggnaccttct ggaagacctc atccccaaan aagcaagtg
289

<210> 282

<211> 250

<212> DNA

<213> Rattus norvegicus

<400> 282

actgactgta ctggtcagga ggtcacagat ccagccaaat gcaacctgct ggcagaaaag
60

caatatggct tctgcaaggc gactctcatc cacagacttg gtggggaaaga gtttcagtg
120

gcctgcgcct gtagccccac cagctggccc acctgaatcc gtggtggtag gaccctggc
180

agttcctcta ggacttccag accaccgaac ccaccatgac ctacggcatg cttctctcc
240

tgtggcttct

250

<210> 283

<211> 285

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 283

agccactgtn gccgatctcg cgcacgcnaa ctgctgctgn tngcacgtag tccccatcg
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tgcannaanc ggtcncaaaa gattcnaann caagatggna gcccncnacg aacaggncat
120

tgtgaatgtn cttaaggaag aacaggtncc ccanaacaan atnaaagttg ttgggggtgg
180

tgtgntggca ngggttgtgc catcagnanc tcaangaang actgggtgat gagntgcccc
240

ttgttgatgn cacacaagan aanctaaacn gagagangan cgatc
285

<210> 284

<211> 266

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 284

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cagctttgc actttcnang tgacgatggn cntacagagg acccaatcct tgcttctgct
120

ctgttgctga ccctgctgg gtaggggtt tacagccctc ctatggccaa gatagaatgt
180

accaacggtt ctttagacag catgtggacc ctgaggggac aggccggcagg acaactactg
240

caacgtgatg atgcagagac ggaggt

266

<210> 285

<211> 250

<212> DNA

<213> Rattus norvegicus

<400> 285

gtagctttcc cttttgctg gcacagaagt ctgtccatct gcaagcgctt tggAACACAG
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actgcctgga gccacccccc tttggagac cttcctgcct cagctgtcgt cctgtgtcgt
120

cattcaactaa agctcctgac gtcagattaa gcaaggcgtg atgggttaca tttagagacaa
180

gccgcagaga taaggcctqt tqctqttcq cagataatga tgagtttaa ttacccactg
240

gtttgtatgg

250

<210> 286

<211> 118

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 286

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ccnnntncaat agtggagtga gcacgtgccc cccacgtagc ccaaananactc ccccaggc

118

<210> 287

<211> 262

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 287

gagagnacct ttgtctcgga gtaactcccg taccckaagt cctaaaagcc ttccgtctta

60

cctcaatggg gtcatgcctc caacacagag cttgcccccc gaccccaagt atgtcagcag
120

caaagccctg cagaganaga gcagcgaagg gtctgccaag gccccctgca tcctgcccatt
180

ncattgagaa tggaaagaag gtcagctcca gcnttattca cctactacct gagcggacgg
240

cancaccttg ncaaataatga gc

262

<210> 288

<211> 282

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 288

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ctngtcctgc tccttnnnt tgctcagatt ctagagctgc caatcagctc cacaagggtgc
120

agggctgggt tttcgagaat tggcttnat gacccggaaa aaaancntt nanctttgat
180

agccgtggac tacctaata aacatcttct tcagggattc aggcagatct tgaatcagat
240

gacaaagtaa ggtgtggtct cggcggccct tcgganaggt gt
282

<210> 289

<211> 265

<212> DNA

<213> Rattus norvegicus

<400> 289

catagaccca tctctcagct gggatgatata taaatggctc agacggttga cctcaactgcc
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cattgttgta aaggaaattt tgagaggtga ttagtgcggccag gaagctgtta aacatggtgt
120

ggatgggatc ttagtgcga atcatggggc acgacaactg gatgggggtgc cagctactat
180

ttagtgcggccatc ccagagatcg ttgaggctgt ggaagggaag gttagaagtct tcctggatgg
240

gggagtcagg aaaggcacccg atgtt

265

<210> 290

<211> 199

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 290

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acaaggatgt gagatacact ctggagagat cagagacaag cacaganact gtgtcncact
120

agtgncttg cagtcnaac atctgtggag atcnanncan tggtnanntna ctggcncgan
180

ncgtncnatg caaannacg
199

<210> 291
<211> 285
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 291

tacgcaccaat ggacacangc acangcctca tcaganctat gcatacgatgt ntaaatcana
60

agtgtgatct tttcaacta cagttatgga gaagcaactc attggccagn ttctgggaga
120

ntttgtgnng tanttaatgc agcngtatgg naacnnaata cnatttangt ttcnggtgct
180

gntantaatg gtcnatgcct tctacagtgg gttgtccann nggantactt ccancgnat
240

aggngntgga gcntatgttc tcgcccata ganggttgcn gngta
285

<210> 292
<211> 268
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 292

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ctgcgcaggc cacctctcta ctgtccagta ctaccaaggg ctgtatgaaa cactagaatt
120

ggctgaggac atggaaatcg acatccctca tgtatggctt tacctggcag aactgataac
180

acatattttt caggaagacg gggtaaccat gggagagctc ttttagggaaa ttacgaagcc
240

tctgagaccc atgggcaaag ccacttct
268

<210> 293
<211> 185

<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 293

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cccttcatga agggcgatgg gtctgctgag gacttcatcc nagaaaggga aggacntcaa
120

gggggtntnn gaatncngcn nnnanggaag aaantnnaac tcnccatcan ctannggncc
180

aangt
185

<210> 294
<211> 286
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 294

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ttaataagat gttctatccc ctggtatgat ataaaattat ctctacttaa tgtcataact
120

ggcaaaaaaa aaactatcat tgcaaatgcc tcccagtgaa accaataact tctcanatat
180

ttagaattat tggttataac tcactaacct agtttcctaa natcanntta anatttgatt
240

tatngtanag cantggnnaa tgatgccnct ctnatgttgt ttnnac
286

<210> 295
<211> 225
<212> DNA
<213> Rattus norvegicus

<400> 295

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gggccatgc agccccaat gctcctcattc gtggccctcg tggctctcct ggccctctgcc
120

cgagctgatg agggagaggg atccttgctg ctgggctcta tgcagggctta catgaaacaa
180

gcctccaaga cggccagga tgcactaagc agcatgcagg agtct
225

<210> 296

<211> 278

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 296

acaccatcna cctgtatgcn gtnactggcc gtgnggacat tccagccagc agcaagccat
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nttccatcaa ntatcanaca naaattgaca agccatccca natgcangtg acggntgtcc
120

aggacaacag catcagtgtc aggtggctgc cttcaattct nctgtggaca ggtaccgagg
180

nccagcgggtt ccncaaaant gggtaactgac naacanaatc tcaaactgtc nagtccagat
240

canacagaga tgnccattga aggntgcaac ccaccgtg
278

<210> 297

<211> 290

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 297

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agagaagtgc gaggtggana ggaaacctca ttgccaccat gaacttctcc ggcaagtacc
120

aagtgcagag ccaagagaac tttgagccct tcatgaaggn nanngnctg nctnaggnc
180

tcatncngaa anggangnc atcaaggggg tgtcagntat nctgcatgan ggganctcnt
240

caaatacata ncaactatgng tncaagtgtat cnaatgagtt cacttggggc
290

<210> 298
<211> 296
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 298

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gcccagttga ggttaatcga agtctcgctcg caggctctgc tctaagtctg gcctcttggc
120

ctcacatctt ctttgtggta tccttcacata tctccagctt cctcagctgg tcagggagat
180

ttggtccaga actagaagcc ttaataatct gagcaggtaa gagaggagta aatgtacag
240

tcttggacat tgactaaagg gtcctgcaga ggatatcaag gtaagtggct tggagg
296

<210> 299
<211> 277
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 299

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gtccccctccg gctgcttggg aaacggagcc ttccagaagg ggtgggtggat gcattgagat
120

ctacagcacc aagatcagct gcaagggtgac ctcccgcttt gctcacaatg ttgtcaccac
180

aagggctgtc aaccgtgcag acaaggccaa gaagtttctt ttgatgtgga ctgccccaa
240

cagcctncat caccacccatc accttgatata ngatggg
277

<210> 300
<211> 287

<212> DNA
<213> Rattus norvegicus

<400> 300

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60

aaccatgaag gtagcaatta tctttcttct cagtggctt ggccctgctc aatttagcag
120

gtaacactac agctaaggta attgggaaaa aggctaattg ccctaataca ctgtttggat
180

gccccaggga ttatgatcct gtgtgtggta ctgacggaaa aacttacgcc aatgaatgca
240

ttctatgctt tgaaaacagg aaatttgaa catctatccg cattcag
287

<210> 301
<211> 85
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 301

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60

gcccaggatg ttcctgaaag ggctg
85

<210> 302
<211> 295
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 302

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ccaaacccagt gaggagccca ggatgtncn gaaggctgtg gtgctgaccg tggccctgg
120

ggccatcacc gggacccagg ctgaggtcac ttccgacccng gtggccaaatg tcatgtggga
180

ctacttcacc cagcnaagca acaatgcaa ggaggctgtg gaacaactgc agaagacaga
240

tgtcactcaa cagctcaata ccctttcca ggacaaactt ggaacattaa cacct
295

<210> 303
<211> 279
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 303

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aggtgacaac cagggcatcc cgatcatgtc caacataaag ctgagagaag aacagcgcatt
120

aaccacaact tccccctgga tgtttccagtc accacacgtgtggcctgaag accacgtgtt
180

catttccaca ccaaacttca cnacacaggc caagacttcg agcgaaaaatcgatctt
240

cattttgaag aaggctggca catgtttcta cagtcgt
279

<210> 304
<211> 306
<212> DNA
<213> Rattus norvegicus

<400> 304

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tgcttcccgatctggctg agtgccggca gtacagtgtg acagtggcc ttatgtgg
120

tgaagtcctg cgataacttgt gtaatgtccc agggcaacca gaagacaaga aacatacagt
180

gcgggtcgca ttgggcaatg gacttcgggc agacgtgtgg gaaaacttcc agcaacgatt
240

tggtcccatt cagatctggg aacatcggttccacagag ggcaacgtgg gcttaatgaa
300

tatggg
306

<210> 305
<211> 296
<212> DNA
<213> Rattus norvegicus

<400> 305

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ggccttcctg ctcagtctat ttctggtgc gttcaaggca gtccaaattct acttacgaag
120

gcaatggctg ctcaaggccc tcgagaagtt cccatccacg cttcccaact ggctttgggg
180

ccacgacctg aaggacagag aattccagca ggttcttacg tgggttagaga aattcccagg
240

tgcctgctta cagtggtct cagggagcaa aacacgagtc ctgctctatg accctg
296

<210> 306
<211> 147
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 306

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tcncctgctt catcctnagc ttggccagca cagtctggac tgcagacacc ggcaccacaa
120

ttgaattcat anaagcagga ggnnata
147

<210> 307
<211> 312
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 307

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ctctcggtcc aatgagctgc accaggatga tccacgtgct ggatccacga cctttgacaa
120

gttcagtcat gcccgtggac atggccatga ggatttgctt ggcacattca ccacccctga
180

agagttcct gggccttac aatggtcttc agcgaagaca ttttgtaat aaaccgaagc
240

ccttgaacc gtgtctcagc gtcaaggcagg aagccaaatc acagaaggaa tggaaagagcc
300

cacacagcca ag
312

<210> 308

<211> 284

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 308

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cagggggcag tcaccccaa ataacatctc cctcctgcag caggcctggc ccccctcagt
120

gtttcctgt cagttcttt atagtcattt tcctacaacc tattagccca aagaaactgg
180

gctggaggga agacttcaga ctggacggag caccgttca gagtcagaag cgataanta
240

gctagagggg tcctccncat cagaatacta aagggtctcc agag
284

<210> 309

<211> 293

<212> DNA

<213> Rattus norvegicus

<400> 309

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agacaggact gtcctgccga cccaccatga tccaggctgc actgttcctt ggctgtatct
120

tactgtcctc ggtgaccgcc tttccatgga agactcagga tggtggcctg ccccatcagc
180

cagctggcac agaaaactgag cctacacaac tgctctacag caagagtctt cctccgacct
240

ccagtacctg tcggaacctc ctaagcatgg cgccctgcc ccctgttagtc ctc
293

<210> 310

<211> 208

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 310

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gtccctctgc ttgtcttctn caagccatnt ggctctacct gctggcactg gtgggcctgt
120

ggaacctcct gcgcgttgttc agggagngga nngtggttag cnatctccaa gacaagtatg
180

tcttcatcac gggctgtgat caggctt

208

<210> 311

<211> 280

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 311

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gctccctcct gccaccnnct tctggctcct caatgtgctc ttccccccgc acaccacgcc
120

caaggctgaa ctcagtaacc acacacggcc tgtcatcctc gtgcctggct gcatggggaa
180

ccggctagaa gccaaagcttg ataaacccaa tgggtaaac tggctgtgct accgaaanac
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agaggatttt ttaccacngn ctggattcan annttcnnc
280

<210> 312
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<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 312

ctggAACACT ttaattctgt ccacaAGGGC agagtgnacn aactcccAGC aatctaggac
60

tncaacctt agcctttagc ctcactcctg agggttatgg tgatcaattt tcctggatct
120

gaagacttgg acatggactg agacacctagt tacagacagc ctgttgtag acttctcagc
180

c
181

<210> 313
<211> 174
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 313

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60

ttgggattgc cnaaganaac tttgcaaaat gtttgtaata aagtttgtgg taaaanacga
120

agatttgatt tcattggctt atcccaagtc aggaacgacg cgccggctcg naat
174

<210> 314
<211> 289
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 314

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ctgggtggtgg ctatttgctc caggcctaac cagtggggaa gtggatgtc gggacacgtg
120

tctcagcctg gacacttagg gtttcttagc ttgtgaagcc aatccnngtg gaaccgatgt
180

ggatnaggnt gcantgnnnnc tctgtttccc cccaaacttc cccagtaacc tttgggcaag
240

gtggatgaac ncagngattt ttgaaaagtc aaaaacttcg gtttgttta
289

<210> 315

<211> 309

<212> DNA

<213> Rattus norvegicus

<400> 315

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gggagcgaag tagggtctgc cagccccgag gagcaacttg acggatcagc cagccagtg
120

gagatgcagg atgagggatc agaggagctt cacgagacag gagagccct gcccccttc
180

ctgctgaagg agggtggaga tgaggggcta cactcggcag agcaggatgc cgatgtgag
240

gcagctgatg atacagatga caccagctcg gtgacctcct ctgccagtct accacctcct
300

ctcagagtg

309

<210> 316

<211> 211

<212> DNA

<213> Rattus norvegicus

<400> 316

cagacacctca ggagaacctg gaagaagtcc ttcccaagct gctagctgag aacattcgat
60

gtttctacct tggccacagc tcacccactc cggcgtaga ggctctagga gctgccctgg
120

acgctgcacc ttctgaccca gtgcctgcca agcttcgtgc taatataaag tggaaatccc
180

cagccatatt catctatact tcagggacca c
211

<210> 317
<211> 282
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 317

agccggcagc cgagtcggat tgngctgctg cagacgccag gccactccag ccagcactgc
60

cgttttcacg ccccggtgc agacagctag gaggcttat ctagttgaa ccaggctgct
120

ggagctcgct cttccctct cttttttcc acgaggctgt ttttttattt ggctgcattgc
180

atgaaatccc aatggtgttag accagtggcg atggatctag gagtttacca actgagacat
240

ttttcaattt ctttcttgcgt gttttgtc ggaatgaaaa cg
282

<210> 318
<211> 261
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 318

aaggagagaga aatcaatgaa ttttcaatct tgttttta atgaggcagt gatattatag
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catggtaaaa ctgcttaat ttacacttt gattgggtgc tggggaaataa acctaaagca
120

tggcatattta atgaagaaca tatggtaacc atgaactcca tctctggatt cctttatcgg
180

cnattttta aagggtgaat attcgacca gagaatgaca agtggtttg acaacatact
240

ctaggccttc tattaaaaac a
261

<210> 319

<211> 273
<212> DNA
<213> *Rattus norvegicus*

<400> 319

cgtggttaca ccaggaccat ggagcccagt atcttgctcc tccttgctct cctcggtggc
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ttcttgttac tcttagtcag gggacaccca aagtcccgtg gcaacttccc accaggacct
120

cgtccccttc ccctcttggg gaacctcctg cagttggaca gagggggcct cctcaattcc
180

ttcatgcagc ttcgagaaaa atatggagat gtgttcacag tacacctggg accaaggcct
240

gtggtcatgc tatgtggac agacaccata aag
273

<210> 320
<211> 205
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 320

ccaggaccat ggagcccagt atcttgctcc tccttgctct ccttggtggt tcttgttact
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cttagtcagg ggacaccnaa attccntggg aaatttccna caagnacttg nnccctttcc
120

cntntngggg aacncntgaa nttggaaana ggaggcntcc tnanntncntt cangnagttt
180

cgcgaaaaat atgganatgt ntnca
205

<210> 321
<211> 289
<212> DNA
<213> *Rattus norvegicus*

<400> 321

caccaggacc atggagccca gtagttgtct ctccttgcgtt ctccttgcgtt gttttttttt
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actcttagtc agggacacc caaagtcccg tggcaacttc ccaccaggac ctcgtcccct
130

tcccctcttg gggAACCTCC tgcagttgga cagaggaggc ctcccaatt cttcatgca
180

gtttcgcgaa aaatatggag atgtgttac agtacacctg ggaccaaggc ctgtggcat
240

gctatgtggg acagacacca taaaggaggc tctggggc caagctgaa
289

<210> 322

<211> 265

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 322

gccatttggc tcccaaggac attgaccta cgcggaa ggtggcatt ggaaaaatac
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ctccaaacgta ccagatctgc ttctcagctc ggtgatccgg ctgaggcagc catgtgcccc
120

agttctgttg ggaatggcct catgtttctg cctctggggg acctgctgaa aaccaggctc
180

aaggccactg ctcacatctt cctattgcag ttctccaaag tcccaaggct tttcatttatt
240

cctgtgaatg gcactgaaga agtca

265

<210> 323

<211> 234

<212> DNA

<213> Rattus norvegicus

<400> 323

gtaaaatgcc atacactgat gcagttatcc atgagattca gaggtttca gatcttgcc
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ctattggagt accacacaga gtcaccaaag acaccatgtt ccgagggtac ctgcttccca
120

agaacactga agtgtacccc atcclyagtt cagctctcca tgacccacag tactttgacc
180

acccagacag cttcaatcct gaacacttcc tggatgccaa tggggcactg aaaa
234

<210> 324
<211> 235
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 324

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aaccacatag ctggctgaan gctgtgtct ttgggctctt gcttattctt atccatgtgt
120

gggttcagga ctcaccagag tccagctcca tcaggaccac acaanatann attnanaaaan
180

gnaagcttga cnacgtgagg gacactaaag ctgggttcca nacaacanaa ngttc
235

<210> 325
<211> 263
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 325

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60

tattttgaca tgtgaacaga gatttcatga gtacacatct catgctgagt cacttccctc
120

ttcctcctaa tagccccacgt ccccaacttat cagccctcca tggctgtga tctgtgctaa
180

tggactctgt atatggtctc agtgctatgt ctacagactt acatagtagt tatggttcag
240

gtaaacagat cacagagtgt gtg
263

<210> 326
<211> 300
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 326

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60

aacaggaact gatacacgag ccaaaccagc aatgtcttcc cctgcacagc ctgcagttcc
120

tgccccactg gccaaacttga agattcaaca caccaagatc tttnataaaca atgaatggca
180

tgattcagtg atggcaagna attacctgtc cttaaccctg caatgaggag gtcatctgac
240

atgtggaaga agggacaagg cagatgttga caagctgtga agccgcaaga caggcttcc
300

<210> 327
<211> 350
<212> DNA
<213> Rattus norvegicus

<400> 327

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60

ataataaaagg agctatccag agagaacctg caggctgttc taaaggatac agcagcacaa
120

atgatgcttc ctcctgagtg tggtgacctg ctcatggaag agtacatggg gaacactgtat
180

gattcccaga ccctacaaat acagtacaca gagatgatgg gagacttcct gtttgtgatc
240

cctgcactcc aagtagcaca ctttcagcgt tcccatgccc ctgtctactt ctatgagttc
300

caacatgcac ccagctattc aagaatgtca ggccacccca gtgaaggtga
350

<210> 328
<211> 258
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 328

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agggccctca gattnacaag gagcaacatg ataaaatcct tgcgttcant gagagtggga
120

agaangaagg agccaancn gagtgtggtn taggacgcng ggggnacaaa ggcttcnttg
180

tccanccnn agtcatctcc aatgtgacng atgagatngt cattnccnaa gagngatat
210

ttggancagn gcaacaaa

258

<210> 329

<211> 245

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 329

gaaatgatgt ggccaggttc atcaactgggt tggaggnaga atttaactac cccctagaca
60

atgtccacct cttagggtagt agtcttggag cccatgctgc tggcgtggca ggaagtctga
120

ccaacagaag gtcaatagaa ttactggctt ggatccagct gggcctaact ttgagtatgc
180

agaagccct agtcgcctt ctcctgtatga tgccgatttc gtagatgtct tacacacatt
240

tacca

245

<210> 330

<211> 191

<212> DNA

<213> Rattus norvegicus

<400> 330

gattatttgt agccaccatg agagactttg ggataggaaa gcagagtgtg gaggatcaga
60

taaaggagga ggccaaatgt ttatggagg aactgaagaa tcatcaggaa gtctccctgg
120

acccaacgtt cctcttccag tgcgtcacag gcaacataat ctgctccatt gtctttggag
180

agcgctttga c
191

<210> 331
<211> 265
<212> DNA
<213> Rattus norvegicus

<400> 331

aggaagccct gcagagcatc agaggccag ctagagggac aacacagagg agtaatttgc
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tgacagacct gcagggatgg acctgcttgc agctctcaca ctggaaacct gggtcctcct
120

ggcagtcgtc ctggtgctcc tctacggatt tgggacccgc acacatggac ttttcaagaa
180

acaggggatt cctggggcca aacctctgcc ttttttggc actgtgctga attactata
240

gggtttatgg aaattcgatg tggag
265

<210> 332
<211> 296
<212> DNA
<213> Rattus norvegicus

<400> 332

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caccatgtcg caagccggc ctgccactgt gctgggtgcc atggagatgg gtcgcccgt
120

ggatgtgacc tccagctccg cgtcggtgcg cgcccttcctg cagcgccggc acacggagat
180

agacaccggcc ttctgtatg cgaacggtca gtctgagacc atccttaggag acctggggct
240

cggactgggc cgcaagggct gcaaagtaaa aattgccacc aaggctgccc caatgt
296

<210> 333

<211> 214
<212> DNA
<213> Rattus norvegicus

<400> 333

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60

aaaggcaaac ctgtccctgt gaaagaagtg tttggtgcc acagcatgga tgtgatcacc
120

agcacatcat ttggagtgaa tggattcc ctaacaacc cgaaggatcc tttgtggag
180

aaagccaaga agctcttaag aattgatttt tttg
214

<210> 334
<211> 183
<212> DNA
<213> Rattus norvegicus

<400> 334

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60

atgagggttg ctctcatgaa tatgaaactc gctctcacta aagttctgca aaacttctcc
120

ttccagcctt gtaaggaaac acagataacct ctgaaattaa gcagacaagg acttcttcaa
180

cca
183

<210> 335
<211> 174
<212> DNA
<213> Rattus norvegicus

<400> 335

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acaaacgtgg tggaagccaa ccagccagtg accatccaga actggtgcaa gcggggccgc
120

aagcagtgca agacgcacac ccacatcgtg atttttaccg gtgcctagtt ggtg
174

<210> 336
<211> 241
<212> DNA
<213> Rattus norvegicus

<400> 336

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60

tggaggaact gaggaaaacc aatggctcac cctgtgaccc cacgttatac ctgggctgtg
120

ctccttgcaa tgtcatctgc tccattattt tccagaatcg ttttGattat aaagatcagg
180

attttcttaa cttgatggaa aaactcaatg agaacatgaa gatTTTgagc agtccctgga
240

C
241

<210> 337
<211> 289
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 337

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60

gaaaaagtgg gtgaaggta agtacccaa actcatctcc tattcctaca tgAACgtgg
120

ggccacttt gctgccttg aagagccaa gcttctggcc aggacatccg caagttcgtg
180

tccctggctg agctgnagta ntnacggntt annaaantgt ggcttagna naancctggt
240

tccccanagn aannttgggn aaccccccctn gggaaaaant tntcccccc
289

<210> 338
<211> 243
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 338

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gtaatttgct gacagacctg cagggatgga cctgcttca gctctcacac tggaaacctg
120

ggtcctcctg gcagtcgtcc tggtgctcct ctacggattt gggacccgca cacatggact
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tttcaagaaa caggggattc ctgggccccaa acctctgcct tttttggca ctgtgctgaa
240

tta
243

<210> 339
<211> 289
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 339

gcagaaaagga agccctgcag agcatcagag gcccagncag agggacaaca cagaggagta
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atttgctgaa cagacctgca gggatggacc tgctttcagc tctcacactg gaaacctggg
120

tccttcgtgc agtcgtcctg gtgctcctct acggatttgg gacccgcaca catggacttt
180

ncaagaaaca ggggattcct gggcccaaac ctctgcctt ntttggcatg tgctgaatt
240

ctatatgggt ttatggaaat tcgatgtgga gtgccataaa aagtatggaa
289

<210> 340
<211> 289
<212> DNA
<213> *Rattus norvegicus*

400 <400>

atctaaggat atctatctca tcagaaatcc cagagatgtt cttgtttctg gttattattt
60

ctggggtaag acaactcttg cgaagaagcc agactcactg ggaacgtatg ttgaatggtt
120

cctcaaagga aatgttccgt atggatcatg gttttagcac atccgtgcct ggctgtctat
180

gcgagaatta gacaacttct tgttactgta ctatgaagac atgaaaaagg atacaatggg
240

aaccataaaag aagatatgtg acttcctggg gaaaaaaatta gagccagat
289

<210> 341

<211> 278

<212> DNA

<213> Rattus norvegicus

<400> 341

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ctttagagag tctgtaaaaa agatgttcaa atcaatggtg ttttatgcc caaagggtca
120

gtggtcatga ttccatctta tgctttcac cgtgatccac agcactggcc agagcctgag
180

gaatttcgcc cagaaagggtt cagcaaggag aacaaggca gcattgatcc ttatgtata
240

ctgccccttg gaaatggacc caggaactgc attggcat

278

<210> 342

<211> 312

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 342

cggtcggtagc cgagagcgc aggttgtatc accaacatgg gggactctca cgaagacacc
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agtgccacca tgcctgangc cgtggctgaa gaagtgtctc tattcagcac gacggacatg
120

gttctgtttt ctctcatcgt gggggcctg acctaactgt tcatacttttag aaagaagaaa
180

gaagagatac cgagatccag caagatccaa acaacggccc caccgtcaa agagagcagc
240

tgcgtggaaa agatgaagaa aacgggaagg aacattatcg tattctatgg ctcccgacg
300

ggaaccgctg ag
312

<210> 343
<211> 287
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 343

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ggcgccgtga ctccgggcgc tgtggaccat ggctccgccc caggcgccca acagggaccc
120

tgcangccag gaggatgagg accgttggga acacgggggg accgcaaggc ccggaagccc
180

ctggtgaga agaagcgacg cgcgccgatc aacgagatc ttcaggagtt gcccgtctg
240

ctagccccca ccngtgcag gccaagctag agaacgcccga ggtgctg
287

<210> 344
<211> 232
<212> DNA
<213> Rattus norvegicus

<400> 344

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ggacttcctg gcccgtttg agggcctgaa gaagatctt gcctacatga attgcagccg
120

ctacctctca acacctata tttcgaagtt ggccaaatgg agtaacaagt aggccttgc
180

tacactggca ctcacagaga ggacctgtcc acattggatc ctgcaggcac cc
232

<210> 345
<211> 223
<212> DNA
<213> Rattus norvegicus

<400> 345

tgtctgcaag cacaacattg aatcagtaac agttgtcagg gttggtgact gcccatggaa
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tggatctttt attcatgago aattcagccc caaaatgaat ttggaaaact tttgcctgaa
120

gtacttattg aaataacaatc aagagacctg ctgaatattt tcatgcgttc tcaaaagtgt
180

atggtcctgt atttactctt tactttggca tgaagcccac tgt
223

<210> 346
<211> 278
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 346

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gatcctgcag gcaccctggc cttctgcact gtggttctct ctccttcctg ctcccttc
120

cagctttgtc agccccatct cctcaacctc accccagtca tgcccacata gtcttcattc
180

tccccacttt ctttcatagt ggncccttc tttattgaca ccttaacaca acctcacagt
240

ccttttctgt gattgaggtc tgccctgaac tcagtctc
278

<210> 347
<211> 295
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 347

ggggccgtg ggtgatctgg tcggtaacgg agagcgcagg ttgtatcacc aacatggggg
64

actctcacga agacaccagt gccaccatgc ctgaggccgt ggctgaagaa gtgtcttat
120

tcagcacgac ggacatggtt ctgtttctc tcatcgtggg ggtcctgacc tactggttca
180

tcttagaaa gaagaaagaa gagataccgg agttcagcaa gatccaaaca acggccccac
240

ccgtcaaaaga gagcagcttc gtggaaaaga tgaagaaaac ggaaangaac ttatc
295

<210> 348

<211> 230

<212> DNA

<213> Rattus norvegicus

<400> 348

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ctggttgtct ctgttaattt ctttgatag taaccttgc tctgttaattt gatcaagaat
120

ttttcatgaa aatgtgaact attgtgacaa ctttaattgt agatttgta tcagatgttt
180

tagatgcatt attctacact aaatgttaca tggaaaaat gtgaataaac
230

<210> 349

<211> 282

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 349

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ggtcggttta gcgtcctccg ctcgngtgc caccggcgtc tcgtcgagag cccgcgcagg
120

acccgggaca ctgtcagac atggagactg tcgttcgcag atgcccattc ttatcccag
180

tccctcaggc ntctctgcag aaggcaggaa aatctctgct gttctatgct caaaactgcc
240

ccaagatgat ggaagtcggg gccaaagccgg ctccctggac cg
282

<210> 350
<211> 280
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 350

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ccgccccatggg tctggagctt ctacctggac ctgatgtccc agcnntgccc tgccgtctac
120

atcttcgcaca agaagaacgg catcccttc cagctgcgtt ccatcgagct gcttaaaggt
180

cagcattaca ctgatgcctt tgcccaggtg nacccttga ggaagggtgcc ggctttgaag
240

gatggggact tcgtcttggc agagagtgtg ccatcttgct
280

<210> 351
<211> 309
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 351

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ctttgactga nacgaagacc actgtggagc tccttccgt gaatggcgaa ttcaagcctgg
120

atgatctcca accgtggcat cctttgggg tggactctgt gccagccaat acagaaaatg
180

aagggtctgg gttgacaaac atcaagacag aagagatctc agaagtgaag atggatgcgg
240

agttcggaca tgattcangc ttcaaatccg ccatcaaaaa ctgggtggtct tgcaagaagng
300

tgggtcaaa
309

<210> 352
<211> 228
<212> DNA
<213> Rattus norvegicus

<400> 352

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gccgcagtgg gggagagcct cttccaggag gcccatgaag tcgtcctgaa ggccaaagat
120

atgcctccct tcatggaccc gaccttgaag gagaaactga agctctctgt tcaatgcctg
180

ctgcactgag ggaacagcct gaagtcaagg gaaacttggt gtgtgcgt
228

<210> 353
<211> 298
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 353

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cctggtcaga ggccatgcaa aagttcatgg tcatcttcca ccaggacccc gtcccttacc
120

cctcttggga aacctcttgc agatggacag aggaggctt cgtaagtctt tcattcagct
180

tcaagaaaaa cacggagatg tgttcacagt atactttgga cctaggcctg tggtcatgct
240

gtgtgggaca cagaccataa gggaggctt ggtggacatg ctgaggnttc tctggcgg
298

<210> 354
<211> 326
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 354

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60

tactacttgc aaggcagggg aaggatggag tcgatccgct ggctgctggc tacagctgga
120

gtggagtttgc aagaagaatt tcttgagacg agagaacaat atgagaagtt gcaaaaggat
180

ggatgcctgc ttttggcca agtcccatttgc gtggaaatag acgggatgct actgacacag
240

accagagccca tcctcagcta cctggccgcc aagtacaact tgtatggaa ggacctgaan
300

gagagagtca ggattgacat gtatgc
326

<210> 355

<211> 274

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 355

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aagttcatgg tcatcttcca ccaggacccc gtcccntacc cctcttggaa aaacnctttg
120

aagaatggac agaggaggct ttgttaagtct ttcattnagc ttcaagaaaa acacggagat
180

gtgttcacaa gtatacttgg aactaggct gtggcatgc tgtgtggac acagaccata
240

agggaggctc tggtgacat gctgangctt ctct

274

<210> 356

<211> 148

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 356

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gagagcgcag gttgtatcac caacatgggg gactctcacg aagacaccag tgccaccatg
120

cctgaggccg tggctgaaga agtgtctc
148

<210> 357
<211> 302
<212> DNA
<213> Rattus norvegicus

<400> 357

ttagatctga ctgaaatgat tatccaattg gtaatatgtc ccccagacca aagagaagcc
60

aagaccgcct tggcaaaaga caggacaaa aaccggtaact tgcctgcctt taaaaaggtg
120

ttgaagagcc atggccaaga ctaccttcta ggttaacaggc tgacccgggt agacatccac
180

ctgctggaac ttctcctcta tggtaagag tttgatgcca gccttctgac ctcttcct
240

ctgctgaagg cttcaagag cagaatcagc agcctccccca atgtgaagaa gttcctgcag
300

cc
302

<210> 358
<211> 286
<212> DNA
<213> Rattus norvegicus

<400> 358

cggaaagtgaa ccaaggcaact gageggcatc taatgcaccc ggagttggac atctcagact
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ccaagatcaag gtatgaatct ggagatcacg tggctgtcta cccagccaat gactcagccc
120

tggtaaacca gattggggag atcctggag ctgacctgga tgcacatcatg tctctaaaca
180

atctcgatga ggagtcaaac aagaagcatc cgttccccctg ccccaccacc taccgcacgg
240

ccctcaccta ctacctggac atcactaacc cgccacgcac caatgt
286

<210> 359
<211> 320
<212> DNA
<213> Rattus norvegicus

<400> 359

caagttcctg cagaacaagg ctttcctaac aggacccat atctccgtgg ctgacttggt
60

ggccatcaca gaactgatgc atcctgtcag tgctggctgc aaaatctcg agagccgacc
120

caaactggct gcgtggcgta aggggtggaa gcccagtgg gggagagcct cttccaggag
180

gccccatgaag tcgtcctgaa gccaaagat atgcctccct tcatggaccc gaccttgaag
240

gagaaactga agtctctgtt caatgctgct gcatgaggga acagcctgaa gtcaaggaa
300

acttgtgtgt gcgtgtgtgt
320

<210> 360
<211> 288
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 360

tngcctctgt ccaccgaggc agttcacccg aggccgatct ccgaggcttg ccagcggcta
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cttcccacag cctccgcccgtt gggtctggag ntctacctgg actgatgtcc cagccctgcc
120

gtgccgtcta catcttcgcn aagaagaacg gcatcccttc cagctgcgta ccatcgagct
180

gcttaaaggt cagcattaca tcatgcnttg cncaggtgaa cttttggaa aggtgccggc
240

nttgaagcng gagattcgtc ttgccaanna tgtggcancn tgctgtat
288

<210> 361
<211> 272

<212> DNA
<213> Rattus norvegicus

<400> 361

gaactctgct caacagcctc tttctctagt tcctgcagac aaaatcccag aataaggaaa
60

ctctgaacca ggagtcatgg aagtcaaacc caagctctac tacttcaag gcagggaaag
120

gatggagtcg atccgctggc tgctggctac agctggagtg gagttgaag aagaatttct
180

tgagacgaga gaacaatatg agaagttgca aaaggatgga tgcctgctt ttggccaagt
240

cccatggtg gaaatagacg ggtatctact ga
272

<210> 362
<211> 286
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 362

ggcccatgga gcacacccag gctgtggact atgttaagaa gctgatgacc aaggccgct
60

actcactaga tgtgtggagt aggagctacc accctccac ccctcgctcc ctgtaatcac
120

ctaacttctg ccgacctcca cctctggtgg ttccctgcctg gcctggacac agggaggccc
180

agggactgac tcctggcctg agtngtgccc tcctgggccc ctaagcagag tccggccat
240

tgtatcaggc agcccagccc caaggcacat ggcaagaggg attgac
286

<210> 363
<211> 288
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 363

gtaaaagang ccttgattga tcatgggag gagttgctg aaagaggaag cttccagta
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gctgaaaaaa ttaataaaga ccttggatt gtttttagcc atggaaatag atggaaagaa
120

ataagacgct taccctcacf actctgcgga atttggcat gggganaagg aacattgagg
180

ntcgtgttca anaggcaanc ccgggnancct nggggaggac ctgnggaaan ccatggggcn
240

caccgtgnna ccccanagtnt atccctggc tgngcncctt gnannacc
288

<210> 364

<211> 237

<212> DNA

<213> Rattus norvegicus

<400> 364

tcacagctaa agtccaggaa gagattgatc gtgtggttgg caaacatcgc agcccttgca
60

tgcaggacag gagccgcattg ccctacacag atgccatgat tcatgaggtc cagaggttca
120

ttgacacctat tcctaccaac ctgccacatg cggtgacctg tgacattaag ttcaggaact
180

acctaataacc caagggaaaca acaataataa catcactctc atcagtgctg catgaca
237

<210> 365

<211> 304

<212> DNA

<213> Rattus norvegicus

<400> 365

ggagaatgga gcccattccgg tggctcctgg ctgcagctgg agtagagttt gaagaacaat
60

ttctgaaaac tcgggatgac ctggccaggc taaggaatga tggagtttg atgttccagc
120

aagtgcccat ggtggagatt gatggatgaa agctggtgca gaccagagcc attctcaact
180

acattgccac caaataacaac ctctatggaa aggacatgaa ggagagagcc ctcatcgaca
240

tgtatgcaga aggagtggcg gatctggatg aaatagttct ccattaccct tacattcccc
300

ctgg
304

<210> 366
<211> 218
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 366

ggcactggtc ggtagcgt cctccgctcg agtgcacc gncgtctcgt acgagagccc
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gcgcaggacc cggcgacact ntgcagacnt ggagactgtc gtttcgcaga tgccattct
120

tatcccgagt ccctcaggcn tttctgcaga aggaggaa atctctgctg ttctatgctc
180

aaaactgccc caagatgtatg gaatcggggc naancgg
218

<210> 367
<211> 269
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 367

ggtcnccatg gatctggtca ctttcctggt acttactctc tcctctctca ttctcctctc
60

actctggaga nagnnccgct aggagaagga agtcnctcc tggcccaact cctctccna
120

ttatcggtaa ttccctccn gatagatgtg aagaacatca gccaatccta accaagttt
180

caaaaaccta tggccctgtg ttcactctgt atttgggctc acagccnct gtcataattgc
240

atggatntga agcnataaag gagctctgt
269

<210> 368

<211> 270
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 368

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60

cagatcttg tgaaaacctt aactggtaag accatcaccc tggaggtcga gcccagtgac
120

accattgaaa atgtcaaggc aaagatccag gacaaggagg gcatccccc tgaccagcag
180

aggctgatct ttgcaggcaa gcagctggaa gatggccgca ccctgttcag actacaacat
240

ccagaaggag tccaccntgc acctggtcct
270

<210> 369
<211> 238
<212> DNA
<213> Rattus norvegicus

<400> 369

ggaagcaatg attctaggtg tgtttctgg gcttttcta acatgtctgc ttctccttgc
60

actgtgaaag cagaatttgc agagaagaaa ctttcctcct ggccccacac ctttccttat
120

cattggaaat attttcaga tagatcttaa ggacatcagc aaatctctga ggaatttttc
180

aaaagtctat ggccctgtgt tcaccctgta ctttggcagg aagcctgctg tggtgtta
238

<210> 370
<211> 260
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 370

aaaggaccag ttctgtattg gtggtagta ggctacgttg tcatggggc ctctggcaac
60

ccaggtacct gaaaaccagt ttcagggaca gcagtggaga acatactcta ggcaaacata
120

ctggcctgtt tccattataa caagataacct aaggccaact actttnttta ccaagagaag
180

aggtttgtta cagcacaaga tgaggtggcc ccgtcgtag cccttgagg gccatgtgga
240

aaataaacacg tggtgaggga
260

<210> 371
<211> 283
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 371

cgcgcgtccc ttaccccggtt ggctgcggcg atgcgtacga tgagctggat ggctcggtc
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atgtagaagc gaccgtccnc gcccacaacc agcgtggcct cctgcctcaa cgccggctcc
120

acggtgtggaga cgatgctttg gatgaaattc tccgcatagt tagcgttgcc ctgaaacacc
180

tncactcgct tccgcaaccc gctgggtgccc ggcttctgtat ccggntatgc ctgcgtcttc
240

actgtcacga tcttcaccat ggtggccggg gctgcgnggc gac
283

<210> 372
<211> 273
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 372

gaaaagttca tgcctatcgt ttacactncc acngngngtc ntgcattgnca gcaatacagt
60

tggcattccg gaagccaaga ngcctcttta tcagnatcca cganaaaggg natattgctt
120

cagttctgaa cgcatggcca gaagatgttg tnanngctat tgtggtgact gatggatag
180

nggatcctnc ggntngggcg acctttgttn tannggggtg ggcatnctg ggggtgtaaag
240

ggtccctgna aacaggttng gggggtnat ccc
273

<210> 373
<211> 301
<212> DNA
<213> *Rattus norvegicus*

<400> 373

tacggaagta gttcccgctg cttatgccat ggtcctggaa ctgtacctgg atctgctgtc
60

gcagccctgt ccgcgctatt tataatcttcg ccaagaagaa caatatcccg ttccagatgc
120

atactgtgga gctgcgcaag ggtgagcacc tcagcgatgc ctttgcccaag gtgaacccca
180

tgaagaaggt accagccatg aaggatggtg gtttcacctt gtgtgagagt gtggccatcc
240

tgctctacct ggccacaag tataagggttc ctgaccactg gtaccccaa gacctgcagg
300

c
301

<210> 374
<211> 309
<212> DNA
<213> *Rattus norvegicus*

<400> 374

gggtctccat ggtatctggtc actttcctgg tacttactct ctcctctctc atttcctct
60

cactctggag acagagctct aggagaagga agctccctcc tggcccaact cctctcccaa
120

ttattggtaa tttcctccag atagatgtga agaacatcag ccaatcctta accaagttt
180

caaaaaccta tggccctgtg ttcactctgt atttgggctc acagcccaact gtcatttgc
240

atggatatga agcaataaaag gaagctctga ttgataacgg ggagaagttt tctggtagag
300

gaagctatac
309

<210> 375
<211> 298
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 375

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60

cagccctgc atgcaggata gaaaacacat gccctacaca gatgccatga ttcatgaggt
120

acagagattc attaactttg tcccgaccaa cctgccccat gcagtgaccc gtgacattaa
180

attcaggaac tacctcatcc cgaaggaaca aaagtgttaa catcaactgac atcagtgctg
240

catgacagca aggagttccc naacccagag atgttgacc ctggccactt tctagatg
298

<210> 376
<211> 234
<212> DNA
<213> Rattus norvegicus

<400> 376

cagacatcgc agccctgca tgcaggatag aaaacacatg ccctacacag atgccatgat
60

tcatgaggga acaaaagtgt taacatcaact gacatcagtg ctgcatgaca gcaaggagtt
120

ccccaaacca gagatgtttg accctggcca ctttctagat gagaatggaa actttaagaa
180

aagtgactac ttttgccctt tctcagcagg aaaacgagct tgtgttggag aggg
234

<210> 377
<211> 267
<212> DNA
<213> Rattus norvegicus

<400> 377

gtcctgacca ggctacgatc tggcacggcg gatgtctatt gtctatgcac taggcgcctg
60

gtcggtgctg ggctcgccga ttttccttac acgaaaacccg aagatgtcag actatggga
120

aatgaagag gatgactcaa gcaatgaaat gccttttct acaagtgaag actctgattt
180

agcgatggaa agggctgagc ctattaaagg gttttatacg aagacaattt taaagtattc
240

agaaaattct gttccattac tcagagg
267

<210> 378

<211> 249

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 378

aatccgnag aggatccacc tgagacctga ggncgcctta ttcttcttg tcaacaacac
60

tatccctccc accagtgcta ccatggaca gctgtatgag gacaaccatg aggaagacta
120

ttttctgtat gtggcctaca gtgatgaaag tgtctacggg aaatgaggca gaagcccagc
180

agatgggagc gcctggactt gggggtaggg gaggggtgcg tgtggactt gggaaaccag
240

agggagggc

249

<210> 379

<211> 292

<212> DNA

<213> Rattus norvegicus

<400> 379

gaagggagct cagcacgttc agccctgcaa gggcagtac acaaaattga gagtaaagct
60

cgaagagaga cttgtttaaa gaaaacggca atggatttga tcccaaactt ttccatggaa
120

acctggctgc tcctggttat cagcctggtg ctcccttacc tataatggaaac tcattcacat
180

ggaattttta aaaagttggg aattcctggg cccaaacctt tgcctttctt ggggacgatt
240

ctgcttacag gaagggtctt gggaaattgac aaataactgcc ataaaaaata tg
292

<210> 380

<211> 168

<212> DNA

<213> Rattus norvegicus

<400> 380

ctagcccgta tggagttatt tttattcctg accacgattt tacaaaactt taagctgaaa
60

tctgtacttc acccaaagga tatcgataca actccagttt tcaatggatt tgcctctctg
120

ccaccatttt atgagctgtg cttcattctt ctctaaagag atcaaatt
168

<210> 381

<211> 298

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 381

accagtttct ggttccactc gcagagaagc agagaagcgg agnaagcggc gcttccaga
60

acctncgggc aagaccagcc tctcccagag catccccacc gcgaaggcan accttctcca
120

gagcataccc cagcggagcg nacccttccc cagagcatcc cgcgcgc当地 ggcacacatt
180

ccagaagcag agagcggcga catggccaag aaaacagcga tcggcatcga cctgggcacc
240

acctactcgt gcgtggcgt gttccagcac ggcaagggtgg agatcatcgc caacgacc
298

<210> 382

<211> 297

<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 382

ananaataga agaacaccag gaatcattgg atgttacaaa ccctcgat tttgttgatt
60

attacctgat taaacaaaaa caggcaaaca acatcgaaca atcagaatat tcacatgaaa
120

atctgacatg cagtatcatg gatctcattg gtgcagggac agagacaatg agcacaacat
180

tgagatatgc tctcctgctt ctgatgaagt acccacatgt cacagctaaa gtccaggaag
240

agattgacccg tgtgattggc agacatcgca gcccctgcat gcaggataga aaacaca
297

<210> 383
<211> 234
<212> DNA
<213> Rattus norvegicus

<400> 383

aacgcagccg actctgcagc attgccatgt caggaatgat attggaaatc tttgctgtgc
60

tccttgggg cggcatcatt agtgaagccc tcgggtggcc ctttgtctt tatactttt
120

gaagtattgg tgtggctgc tgccttctt ggctcattct gtttatgtat gaccctgtct
180

ctcacccatg gataagtagc ccagaaaagg agtataatttt atcctccctg gacc
234

<210> 384
<211> 299
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 384

agctgccatc ttgcgtcccc gcgtgtgtgc gccttatctc agctggctcg cccgagacnc
60

tctgagcgtg aaccttagtc ccccgcgccg ccccatattcc actccgacaa gatgaaagaa
120

acgatcatga accaggaaaa actcgccaaa ctgcaggcac aagtgcgcac tggggaaa
180

ggaactgctc gtagaaagaa gaaggtggtt cacagaacag ccacagcaga cgataaaaaa
240

ctgcagttct ccttaaagaa gttagggta aacaatatct ctgtattgaa gaggtgaac
299

<210> 385

<211> 291

<212> DNA

<213> Rattus norvegicus

<400> 385

ctgacgttgt ctatagaaca gtggccaacc tttctggatg tgagcaggtg gactccaagg
60

ctctggtaaa ctgtctacga ggcaagagcg aggaagagat tatgtctatt aacaaggcct
120

tcaggatcat ctctggcata gtggatgta tcttcattcc cagacatccc aaggagctgt
180

tggcctctgc tgactttcac cccattccca gcattattgg tgtcaacaat gatgagttatg
240

gctggatcat tccctcgagc atgaccacca ctgactccaa gaagaaaaatg g
291

<210> 386

<211> 304

<212> DNA

<213> Rattus norvegicus

<400> 386

actgagtggaa cctgtgaaga atccaaattc caaacaattt tcaacatggaa ttcccgtaaa
60

ttccggagaa gagggaaagga gatggatgat tatatacgat actatctggaa cggcattgag
120

ggacgtccag tgtaccctga cgtggagcct ggctacccatc gggccctgat cccaccact
180

gccccccagg agccagaaac atatgaggac ataatcagag acattgaaaa gataatcatg
240

ccagggtcac acactggcac agcccctact tcttcgctta cttcccagg ccagctccta
300

ccca
304

<210> 387
<211> 264
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 387

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60

gatcatggct gccgaggatg tggtggcgac tggngncgac cccagcgagc tggagggcgg
120

cgggctgctt caanagatnt tcacgnecn tctcaacctg ctgctccttg gccatgcattc
180

tccctgctct acaagatcga tcgcngggac cagcccggtg ccaatggga caacnactcc
240

gacgagnnngn ccncgctgnc ncng
264

<210> 388
<211> 267
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 388

cggAACAGTC GAGGCTAGAT TGACACAGCT GTCCGTTAG ACCCCAGCAC CATGCCATG
60

acactgggtt actggganat ccgtggggct agcgcatgcc atccgcctgc tcctggaata
120

cacagactcg agctatgagg agaagagata caccatggga gacgctcccg actttgacag
180

aagccagtgg ctgaatgaga agttcaaact gggcctggac ttccccaatc tgccctactt
240

aattgatgga tcacacaaga cacccag
257

<210> 389
<211> 307
<212> DNA
<213> Rattus norvegicus

<400> 389

gtgcctcac gcagcttaat gtggcctttt cccgggagca ggcccacaag gtctatgtcc
60

agcaccttct gaagagagac agggAACACCC tgtgaaagct gatccacgag ggcggtgccc
120

acatctatgt gtgcggggat gctcgaaata tggccaaaga tgtgaaaac acattctatg
180

acattgtggc tgagttcggg cccatggagc acacccaggc tgtggactat gttaagaagc
240

tgatgaccaa gggccgctac tcactagatg tgtggagcta ggagcttacc aacctccac
300

ccctcgg
307

<210> 390
<211> 248
<212> DNA
<213> Rattus norvegicus

<400> 390

tcttggagaa ggcattgccc gaagtgaatt gttcctttt ttcactacca tcctccagaa
60

ctactcagtg tccagccctg tggatcctaa caccattgat atgactccca aggagagtgg
120

attagccaaa gtagccccag tgtacaagat ttgcgttgc gcccgtat tgcgtgagg
180

cagtcagccg actcaattct gttcaaaatg gccccatllt tctgattctg ggagacctgc
240

tggagacc
248

<210> 391
<211> 283
<212> DNA

<213> Rattus norvegicus

<400> 391

atggttttgg accctgtcat tccctgtgga gagctggtgg cagaagtact tcagatccct
60

tttgtaaaca cattgagggtt cagcatgggc tactccatgg agaaatactg cggccaactt
120

ccagttccac ttgcgtatgt accgggttgtc agggtaact aacagaccat atgaccttta
180

cagagagggt gaaaaatatg atgcttcac tgtttttga gttttggctc cagcaatatg
240

actttgcatt ctgggatcag ttttacagta aaactctagg aag
283

<210> 392

<211> 290

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 392

ggactatctc cccttaagtg ggaaggcctt agtcaaatgc agtanagagc tataaaacac
60

cgagaactct tcatgtgttg tgaaacttag agggagcagc ttttaacaa gagaactcaa
120

gcaattgcgtc ccatgccggg gaagccagtc cttcactact tcgatggcag ggggagaatg
180

gagcccatcc ggtggctct ggctgcagct ggagtagagt ttgaagaaca atttctgaaa
240

actcgggatg acctggccag gctaaggaaat gatgggagtt tcatgtttcca
290

<210> 393

<211> 281

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 393

ttgcactacc ctgcaaggct gtgtgcagg gcccgaaagg ctcactgttc cgaaatggcc
60

gagcagtcag acaaggatgt gaagtactac actctggang gagattcaga agcacaaaga
120

cagcaagagc acctgggtga tcctacatca taagtgtacg atctgaccaa gtttctgaa
180

gagcatcctg gtgggagaaga agtcctaaga gagcaagctg ggggtgatgc tactgagaac
240

ttgaggacgt ccgggcactc taacggatgc acgagaactg t
281

<210> 394

<211> 287

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 394

ccgctgctta tgccatggtc ctggaactgt acctggatct gctgtcgag ccctgtcgcg
60

ctatttatat ctgcgccaag aagaacaata tcccnttcca gatgcatact gtggagctgc
120

gcaagggtga gcacccctcagc gatgcttgc ccagtgaacc ccatgaagaa ggtaccagcc
180

atgaaggatg gtggcttcac cttgtgtgag agtgtggcca tcctgctcta cctggcgac
240

aagtataagg ttccctgacca ctggtaaaaa caagactgca ggcccggt
287

<210> 395

<211> 293

<212> DNA

<213> Rattus norvegicus

<400> 395

aagagaatcg cattaaagag aaagaaaaagc aaagaatgga ctttcttcag ctgatgataa
60

actccccagaa ttccaaagtc aaagactctc ataaagcatt atccgatgtg gagattgtgg
120

cccagtcagt tatcttcatt tttgccggct atgagaccac tagcagtgtc cttccctttg
180

ttttgttattt gctggccatt caccctgata tacagaagaa actgcaggat gaaattgatg
240

cagctctccc caataaggca catgccacct atgataccct gctacaaatg gag
293

<210> 396
<211> 266
<212> DNA
<213> *Rattus norvegicus*

<400> 396

gttggcctcc caataagtag ggtcaacatt tagtcaaaat atgcgattgt tgcaaagctt
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tcgaaggctg gctttgtggg tacagtgtat ccatagatgc ctgaattaac tgaagatctt
120

aactgcagat tctacacatt tctcatcctc taatggcttc ctctggctgc ccagggctga
180

agaaaacttct tcactgtggg gaggttgctg actctggttc tccagggcct cagcagaggg
240

aagttggcca aagcgtgggg tccact
266

<210> 397
<211> 259
<212> DNA
<213> *Rattus norvegicus*

<400> 397

gtcaaatggc taccggaaaa cgatctgctt ggtcatccaa aggctgggc gttcatcaca
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cactccgggtt cccatggtat ttatgaagga atatgcaatg gggttccaat ggtgatgatg
120

cccttgggg gtgatcagat ggacaacgcc aagcgcatgg aaactcgggg agctggggtg
180

accctgaatg tcctggaaat gactgccat gattggaaa acgcccctaa aactgtcatc
240

aataacaaga gttacaagg
259

<210> 398

<211> 252
<212> DNA
<213> Rattus norvegicus

<400> 398

gaaactttaa gaaaagtac tacttttgc ctttctcagc aggaaaacga gcttgttgc
60

gagagggcct ggcccgcatg cagttgttgc tattcttgc aaccatttt cagaacttta
120

acctgaaatc tctgggtcac ccaaaggaca ttgatacgat gccagttctg aatggtttg
180

cctctctgcc acccaacttac cagctctgct tcatttccttc ctgaatagat caggcatttt
240

ggctctactg tg

252

<210> 399
<211> 272
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 399

gngagccaat ggcnctcttc attttctgg ggatttggcn ttcttnnttg gttttcnn
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ttctatngaa tcagcaccat gtcagangga agctcccacc nggtcccact cctctaccaa
120

tttttggcaa tatttgcaa ntgggtgtta aaaatatcg caaatctatg tgcatgcnag
180

cggaaagagta cgggcctggc tcaccatgta tctggcgtg aagcccactg tggtgctgta
240

tggatatgaa gtattgaaag aagctctgat tg
272

<210> 400
<211> 294
<212> DNA
<213> Rattus norvegicus

<400> 400

catccgtggg ctggctcact ccattcgct gttcctggag tatacagaca caagctatga
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ggacaagaag tacagcatgg gggatgctcc cgactatgac agaagccagt ggctgagtga
120

gaagttcaaa ctgggcctgg acttcccaa tctgcctac ttaattgatg ggtcacacaa
180

gatcacccag agcaatgcca tcctgcgcta ccttggccgg aagcacaacc tttgtgggaa
240

gacagaggag gagaggattc gtgtggacgt tttggagaac caggctatgg acac
294

<210> 401

<211> 276

<212> DNA

<213> Rattus norvegicus

<400> 401

gctgcgagca ggtctgaccc attgctctct ctgctcagag ttccccaggt ctgaagtctg
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cctgaaagat gtcagccctc aaagctgtct tccagtacat tgacgaaaac caggaccgct
120

ttgtcaagaa acttgcagaa tgggtggcca tccagagcgt gtccgcgtgg ccggagaaga
180

gaggagagat cagaaggatg acggaagcgg cagtgcagat gtccagaggc tggggggatc
240

tgtggagctg gtggatatcg ggaaggcagaa gctccc
276

<210> 402

<211> 271

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 402

ctgacacctgac ccatgatgtt agggncgtt ggggagcatc accactgcaa aggctgacta
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aggncgttggctaaaggctt cnctttgttggccaggatgttctt anagtcacac cttttttgtt
120

ctgggccag gaggcctact tcttctttt ctcnggaat cctggaatct taaagataaa
180

agaacctaga aagaaaatca aaccacttt cttgtgggg cagatggtaa tatggactg
240

agaacagcaa acctgggtc ttggagagga g
271

<210> 403
<211> 253
<212> DNA
<213> Rattus norvegicus

<400> 403

cgcactgctc ctagggcaag agcttcacc tcttctacag ccaacaccat gcgcgagatc
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gtgcacatcc aggccggcca atgcggcaac cagatcgccg ctaaggcaac aaatatgtac
120

ctcggccat cctagtggac ctggagccag gcaccatgga ctcagtgagg tcggaccat
180

tcggccagat cttaggcca gacaacttg tggcggtca gagtggtca gaaataact
240

gggcaaaggg cca
253

<210> 404
<211> 312
<212> DNA
<213> Rattus norvegicus

<400> 404

cagctggctt cctacataca gttctgtgaa agagatcaga gagtgaaaga aagatggcgg
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gggattcaag ccgtggct gcagtctccc ttctctctgc ctgtcagcaa agttatttg
120

ctttgcaagt cggacgagta agattaaaat acaagatcgc acctccagca gtcacggct
180

ctctggagtt tgagagaata ttgcgcac agcaaaactc tttggagttt tattccgtat
240

tcatcatatc gctgtggatg gctggatgtt atttcaatca agttttgca acctgtctgg
300

gtctcctgta ca
312

<210> 405
<211> 245
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 405

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tcgcccgacn gcgcacatgga gggttaccat aagccagatc agcagaagct ccaggccctg
120

aaggacacag ccaatcgct gcgcacatcgc atccanncca ggccaccacc gcggcaggcg
180

nggacaccccc acatcttgna gtaggcgn cggagagcng gtcgnnctgn tattnnnnac
240

cagggc
245

<210> 406
<211> 299
<212> DNA
<213> Rattus norvegicus

<400> 406

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60

aattccccaa cccAGAGATG tttgaccAG gtcactttct agatgagaat ggaaacttta
120

agaaaAGTGA ctacttcATG cctttctcAG caggAAAACG gaaatgtgtg ggagagggcc
180

ttGCCAGTAT ggagctgttt ttgttcctGA ccaccatTTT acagaatttc aaactgaaat
240

ctctgtctGA tccAAAGGAC atcgatataa actcaatacG ttctgagttt tcatcaatc
299

<210> 407
<211> 290

<212> DNA

<213> Rattus norvegicus

<400> 407

ggaaggggaa gaatgccagt ttttggaaag gctactaaag gactggcat tagttttagc
60

cgtggaaatg tatggagagc cacaagacat ttcacagtca atacccttag gatggggc
120

atggggaaac ggaccattga gatcaaagtg caagaggaag cagagtggct agtgatggaa
180

ctgaagaaaa ccaaaggctc accctgtgat cccaaattca tcataaggatg tgctccctgc
240

aatgtcatct gctccattat cttccagaat cgtttcgatt ataaagataa
290

<210> 408

<211> 221

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 408

catcagttct gtgttcaaag ttaacatcg agataatggg ctcctgnct cncntccnt
60

ttttgnngc tngggcantg gnaaccngga agnccnntgg aganttccan aaaagaaaaa
120

attttaggggc acaaatgtga gaaaaancnt cacaancnntt gggnanannnc cccctgntgc
180

gcctnttgta gggctgccct atgtccaatc cagctatatt g
221

<210> 409

<211> 116

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 409

atttttagat ggaacgatgg gaagtcttgg gtgtccctt cagtcctcaa ctttggaca
60

ctgctggtca ggagagggttc aagtgcacatcg cttccacaca acatangagn gnnatt
116

<210> 410
<211> 275
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 410

cacagccctt accagcnac cctccataac tgcaccaaga ggatctatcc aacacccccc
60

tgagcaggag gagctgaaag actccaaggg aaagagtcct gaggaaccct ttccctgtgca
120

gctggatcta accacaaaacc cacagggta cacactggat gtctccttcc tctacctgga
180

gcctgaggaa aagaaaactgg tggtcctgcc tttccctggg aaggaacagc gctccctgaa
240

gtgcccgaaaa cccgaaaagc aaagaacccc ctgat
275

<210> 411
<211> 300
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 411

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tccaggccag tgtttctgtg gaccggctgg agaggtattt gggaggagac gatttagaca
120

catctgccat tcgccccgtc agcaattttg ataaagctgt gaagtttca gaggccttcc
180

ttacttgggc ccggacttgg aagccacaat ccaagatgtg aacctggaca taaagccagg
240

ccaatggtgg ctgtgggtgg cactgttagct ctggaaatc ctcttggta tcagccatgt
300

<210> 412
<211> 286

<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 412

cnagaaggta gtggagtaact tgaaggcagag ttcgttgatg ctgtgtttct ggatccttt
60

gatgtgtgtg ggcttaactgg tgccaaagtac tttctctccc gtcagtggc ttcagcaggg
120

ggatattttg tcactatctt gaagaangct cccagtgc cagtcctcct tcataatgtcc
180

ccagaggtat cttgaaaactc acagatacca tgactttcaa ggaaagagtg tgaaacttct
240

ttcctaattgg gggagcatgc attctgtccc agttttcaa aactgc
286

<210> 413
<211> 272
<212> DNA
<213> Rattus norvegicus

<400> 413

agagaaggct gctgagggaaa cactggaaag ctttacactca ggcactaagt tgaaggaaaa
60

acgacaatgg ccacaatggt agaactgagc ctttacaatgtg agcagtgtga gtttgccta
120

ggtctgccag tgaataagaa gacccctccc cggaaagtcc cgagtttatg ttccatgcgc
180

tattcaatag ctttcatcgc acatatctgc aacttcacat tgatagcaca gaattccatc
240

ataaggcatca ccatggtagc catggtaaac aa
272

<210> 414
<211> 103
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 414

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60

tggtcttctt gacaggttgc caagcttggg agttctggca gca
103

<210> 415
<211> 273
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 415

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60

agccttcaca aggacccgtcc tatcgagcct ctggacctgg ctgtgttctg ggtggagta
120

gtgatgaggc acaaggnggc gccacacactg cgcggcgccg cccacgaccc cacctggta
180

cagtaccact cttggacgt gattggcttt ctccctggcca tcgtgttgac ggtggtcttc
240

attgtctata aaagttgtgc ctatggctgc cgg
273

<210> 416
<211> 106
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 416

gaagannnac ctggacaccc agactgttgg agancntccg ggggatgtcg ctcacatcct
60

tcaggatgaa anctgcagtg gtggctgnag gnnctggct ncctga
106

<210> 417
<211> 294
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 417

cactaaagca aagcagacaa ctccagctct ccacacagct ggtctctgac accttggggg
60

acacaaggc cctagctatg gagtgcgtat tccacagaca cctatggta cttggatac
120

tgccaaaact cttaaataca tggactttta cctcagaaac ttgtcttcag atatcctgtt
180

aatcttcagt ttttgtttgt ttttgtttt nggaggaagg cctctctcta ttagctatg
240

gctgtcctag aatcaactctg tagatcaggc tggcctcaga ctcatgcctc tgct
294

<210> 418

<211> 262

<212> DNA

<213> Rattus norvegicus

<400> 418

cgaggcttcc aggttagcggt cggtcgcagt ctgtcccagg gtacgaccccg gccttggca
60

cagattcgcg gaccggggc tgcctttta agggaggggg tggagccacg agtgaggatc
120

gaaaagctcc agaaaacttg aggccagagc cccgcaccag ggtgcagcca tgagtgcgg
180

ggtaagggtg acagggcaga accaggagca atttctgctc cttgccaagt cggctaagg
240

ggcagcactg gccacactca tc

262

<210> 419

<211> 145

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 419

acacaaagcn atttanantg ccagactata ctgggttaa aggaataacct tttcatgnct
60

cgggatcca aaagncactt tnccaaaatg tnnggnaana attttgcgn cnancccoga
120

nttcatntga ncggcttanc ccagt

145

<210> 420

<211> 271

<212> DNA

<213> Rattus norvegicus

<400> 420

ctccaacctg gtgcgccacc agcggctgca caccggggaa aagccgtatg tctgcagcca
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gtgtggcaag gccttcatct ggagctctgt gctcatcgaa caccagcgca ttcacacagg
120

cgagaagccc tacaagtgtg aagactgcgg caaggccttc cgaggacggt cgcatttctt
180

ccggcactta cggacccaca cgggcgagaa gcccttctcc tgtggctcct gtggcaaagc
240

gtttggccag agctctcagc tcatccagca c

271

<210> 421

<211> 282

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 421

cagttagaag ttcctgggna ggccctgtgt agacccagcc tagctgagta ctgattcatt
60

ttgatgtgag tgggaagaat gggggagatt cgcaagtttg tcctcatcac tggctctg
120

attctgggca aggagagctg ggtcctcgga gatgagaact gtttgcagga gcaggtgagg
180

cgcaggcgc aggtgcgcga gcttgagacc cgggtcaaac aacaacgggt ggtgattgca
240

cagctttgc acgagaagga ggtccagttc ctggatagag ga
282

<210> 422

<211> 222

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations
<400> 422

ctgaagacca acttgtcctc agtgagcgcac tgtgtgcagc aggtggtgga gcttctgcaa
60

gancagagca ttgttccca caccaccatc aaaggcatcc atgaactctt tgtgccgaa
120

aacaaaattg atcaaatccg agctgaggta gagactctcc catcaactacc aattaccaag
180

ctggatctgc agtgggtgca gattctgagc gaaggctggg cc
222

<210> 423

<211> 275

<212> DNA

<213> Rattus norvegicus

<400> 423

gagaaaggcc accaccttagc taggtgaggt gtgccagcat ggtcctgggg gtctcaactgt
60

ccccagccct gggacgctgg ttccgccatg caatcccttt cgctatcttc acgctgttac
120

ttctttatcat cagtgtatgg ctcttccatg agtggccctt tgagttgcc a gctcaaagaa
180

ctcagcagtc cggcctgtgg gaactcaagc tctttctcc ttctccagcc ctcacccctc
240

tgcttcctgt cacctcaggt gtttacaag gctga
275

<210> 424

<211> 279

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations
<400> 424

attcctcatt gcatgatgcc ttcaaataaa gggcaacgtg aatacagttt ataaatcaac
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gagtatttta agccttgttt aaaacatctt tttactccan nnnnnnnnnnn nnnnnnnnnnn
120

nncaaactaa atcattgttag ctaacctgta atatacgtag tagttgacct ggaaaagttg
180

taaaaaattn gcttaaccg acacgtaaat attcagata aacattatat tccttgtata
240

taaaaanaaag aaaannangn caatggnnga atnaactct
279

<210> 425
<211> 288
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 425

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60

atangaggga atggctgccg tgtctccacc taccagatgt caggcatcggtgacgttga
120

agatgtggct gtgaccttca cagatgacga gtggaagcgt ctggtaacca tgcagagagc
180

actctacaag accgtgatgc tggagaacta tgagagcatc atctctctgg ggcttcccg
240

tcctcgacct gatgtgattc ttcagttcaa gagaaggggc gaatcctg
288

<210> 426
<211> 286
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 426

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60

gggggcagggc ctganggccca ccatcttctg catcctgacc tgggtcagcc tgacagctgg
120

ggaccgcgta tacatccacc ccttcatct cctctactac agcaaganca nctgcgcccc
180

gctggagaac cccagtgtgg agacgctccc agagccaacc tttgagcctg tgccattca
240

ggccaagacc tccccgtgg atgagaagac cctgcgagat aagtctg
286

<210> 427
<211> 235
<212> DNA
<213> Rattus norvegicus

<400> 427

gaggatttac tcacatttgc ttcccgctgg ccatgagtga gctgccctt ctgagtccag
60

agggagccag agggcctcac aacaacagag ggctctcagag ctccctggag gaaggctcag
120

ttacaggctc agaggctcgg cacagcttag gtgtcctgaa tgtgtccttc agcgtcagaa
180

ccgtgtcgaa ccctgggtgga acatcaaattc atgccagcag aagtgggaca ggaaa
235

<210> 428
<211> 249
<212> DNA
<213> Rattus norvegicus

<400> 428

ccctggttct ggaagtggag atcgtgagtc atggctgctc cccgagacgc agagatccac
60

aaggacgttc agaactacta tggaaatgta ctgaagacat ctgcagacct ccagactaat
120

gcttgtgtca ccccagccaa gggggtcctt gaggatccatcc ggaaaagtct gcagaatgta
180

catgaagaag ttatttccag gtattatggc tgcggctgg tggtgccctga gcatctggaa
240

aactgccgg
249

<210> 429
<211> 233
<212> DNA
<213> Rattus norvegicus

<400> 429

ctgaacttga ccaaaggag actcaggtt gaaacaaaat cccagggatg atacacggaa
60

aaactccatt aggcacagtg acatacatgt gtaattcaaa cgctgcactt gagagactga
120

ggcaggagga gatctatcg aagggtgaga ccaactagct gtaggctagc ctgggctatg
180

~~cgtttaagac~~ cttgtcacaa agtacaagaa gggagaataa aagaatattt cct
233

<210> 430

<211> 287

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 430

tcaagagcat atgtgcggca cagagtggac ntgatggctt ttgttgttgt tttgttatgt
60

gtgcacatct atgtttcat atctaccggt tgggtatgcc tttgtccctg gtagggact
120

ggctctctgg acaagtagat gtcctgttag cctgcagaca tcacatgact ctcaagaacg
180

aatcgtgtat cctggccct gtcctgtgc atgcacattc ccctcctctg tcccgaggca
240

gaggcaaggg tgtgtgaggc ctatggcag agccatatt gtgaaga
287

<210> 431

<211> 183

<212> DNA

<213> Rattus norvegicus

<400> 431

ctaaaattaa gatagagtga atgagacaga tatctgtaga cactgtatcc tcttgtgtga
60

tcagatctag tgtggat gatagaagtt gaacttgctt tattgctatg tggtaaaaata
120

ttttgttgc attaatggc ctattgaaat gctttctgt tcctataata aaataacctg
180

atg
183

<210> 432
<211> 287
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 432

tcaagagcat atgtgcggca cagagtggac ntgatggctt ttgttgttgt tttgttatgt
60

gtgcacatct atgtttcat atctaccggc tgggtatgcc tttgtccctg ggttagggact
120

ggctctctgg acaagtagat gtcctgttag cctgcagaca tcacatgact ctcaagaacg
180

aatcgtgtat cctggccct gtcctgtgc atgcacattc ccctcccttg tcccgaggca
240

gaggcaaggg tgtgtgaggc ctatggcag aggcattatt gtgaaga
287

<210> 433
<211> 283
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 433

ctgggntcan cacgtntgc tgagnannng gctgntgtgt acccccagag atccctnctg
60

ttggaccttc accagtccng gggnggctgg gactcccaca cctcaagccc gagctatgac
120

ttacattcca ctgctggag aagagaggcg gggccagag tattcctgccc ttgggagtca
180

aagaccctag gngccaggct ggcacaggga tggggaggct ggnctttat aaatatnata
240

tgcagannaa aagannaaaa naaggcgcc cnccgacaag nna
283

<210> 434
<211> 295

<212> DNA
<213> Rattus norvegicus

<400> 434

aagatcgaa gaatcacagg gctggaccct gcaggaccta tgtttgaggg aacttccccc
60

aacgagcgc tttctccaga tcatgcataat tttgtggatg ctattcatac ctttaccagg
120

gagcacatgg gtctgagtgt gggcatcaaa cagcccatgg cccactatga cttctacccc
180

aacgggggct cttccagcc tggctgccac ttccctggagc tctacaaaca cattgcagag
240

catggctta aatgccataa cccagaccat caaatgtgcc catgagcggtt ctgtg
295

<210> 435
<211> 133
<212> DNA
<213> Rattus norvegicus

<400> 435

ccctgattct tttgtgtat agccctggat gtgtatgca gacattatct aactgtgtgt
60

ggtaaccttg acatcacaga actgctagtg aacgaggtaa aaataataaa ggtacaacca
120

gtgcacatcgca aaa
133

<210> 436
<211> 212
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 436

accaccagtt tcgaagctgg ccggctttgt cttaggtcga tggtaagac aacggcatct
60

tcaccagccg acaggaacgt gcagggagag tctggttcta gggccaactt gtggatgct
120

ccttgagct gggccacacg cttgggttcc ttgcagcaact gtgtacang cttctcctgc
180

gactcgacc tgcccatccc ggcacacata gc
212

<210> 437
<211> 291
<212> DNA
<213> Rattus norvegicus

<400> 437

ttaataacg taatgacgctg gtcctttcc taatccctaa aaacctgtct cataaagtgt
60

aatgggggag cagccctttt ggtgttgcaa aatgaagttc caggcttcta aaatgttgcc
120

atgtattgaa aggagctaat gccattgtaa atgttattag tttcacattt ctgagcagc
180

ctagagtaca gggtaacat ttgttagatct tgtaatgatg tattgtgctg tggaaagtact
240

gtgtgtgaat agcagtagtg gggcaaaaag caatcttgc attggaatgt a
291

<210> 438
<211> 262
<212> DNA
<213> Rattus norvegicus

<400> 438

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gtccacgttg ggcagcacac aagtgtccgt aactctagct ctatggatc tgaccattt
120

ctggcctttt cagcacctgc acaaatgtgg cagacacata tacgcttaag taaaataat
180

taaaaaaaaac gaatctttaa aacatTTTTT aaaagaagtg atggagtgaa ttccctgcctt
240

atggcctgtt gggaaatggaa ca
262

<210> 439
<211> 272
<212> DNA

<213> Rattus norvegicus

<400> 439

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at taggaaga ggggcataga gagctgtgcc tctatggta gcctctggta ctgaagtttg
120

ccacqactag tgggtggaca cctgggaggc tggctaccta cctgtcttac tccctgaagg
180

acagggttga atctctgggt tccagtcctt agggagatgg agtactgtct gtcagctgct
240

ggctgtgctt tttgaagagg ccaaattgtt tc
272

<210> 440

<211> 284

<212> DNA

<213> Rattus norvegicus

<400> 440

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agccagagca agtggaggact gagcaaggga agggagaacc gattgccatc gccttcatg
120

ctctggtag ggtgagggttg gggcaagag gactgggcct ggcagatctt caagtcattg
180

ggaagatgga gataccactg taggggtgaa caccggaga cctaggagat cccctcccc
240

cccttctct tggcctccga ttcactcctg tcccgttccc tgac

284

<210> 441

<211> 233

<212> DNA

<213> Rattus norvegicus

<400> 441

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aaaactccatt aggcacagtg acatacatgt gtaattcaaa cgctgcactt gagagactga
120

ggcaggagga gatctatcga aagggtgaga ccaactagct gtaggctagc ctgggctatg
180

ctgttaagac cttgtcacaa agtacaagaa gggagaataa aagaatattt cct
233

<210> 442

<211> 273

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 442

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tccattcaga gcaagtgttt gcncctcgcc tgcaggacaa aaaacttccc cctctgtct
120

ccgagatctg ggatgtccac gaatgactgt ttctccgtgt cctcngtgtt ggcaaggcag
180

ctgaagttac nganngcttc nnngaagngg nanannctgg ggagagaaaa nnncagggg
240

gnccggaaaa agagacnctt ntnnnngnaan aag
273

<210> 443

<211> 264

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 443

gnaagaagga aggttctctc ttcacctgt tctatattact tgccagcaca tctgttggga
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tctactaacc ttgtgagatg gagcaactac tagatccttg gacttcccac tcatacgctga
120

tcattgttag ggggttggac tacagactgt aaatcatcat aacaaactcc ctactgtat
180

agaggctatc cataagttct gtgactctag agaaccctga ctactacaga ccctgtttca
240

aaaaagaagc aaaagttgc tggt
264

<210> 444
<211> 283
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 444

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cactacagga ggaattgttc catctgagag acccagcatg cattatactc gctgtctgct
120

gcttctcctg gctggactct tggaactctc tcacagtcag ccagaccaag aagagcctga
180

caataacaacc aaccaaacct acagttgttc tcacagcaga acatctccag ctaccagatt
240

gcctctggna atgccaactt tgccttccgc ctctaccacc tga
283

<210> 445
<211> 290
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 445

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aatatcacaa tctcataagg natggggaaat acagacnagg tacnntttca ggcacattca
120

gtgtaaatat atgttagtcat ttatactgnn atattaaata atattatatt tgtgaagaca
180

gagatttatg tcttacaatg taaatganaa acagacaaac ctaatcagat atctggctgg
240

tgaagccatt ggtcagtgtt aggaatttcc agtcaggaga agaccctcta
290

<210> 446
<211> 165

<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 446

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aaaccgagaa agganataac atttgaaatg taaatgaaaa atatccaatt aaaaaaaaaa
120

aancaaacc acccc tgccca gant tttgccngng ngacaaaaan agaga
165

<210> 447
<211> 173
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 447

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aggaacgtgt gcggactgca gtccctccca agaccataga ggagtgtgag gtgattctga
120

tggggact tcctggatct ggaaagaccc agtgggcact gaaatatgca aaa
173

<210> 448
<211> 189
<212> DNA
<213> Rattus norvegicus

<400> 448

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cctcagagct ggcgtgcgga aggagaagaa gctcaaggaa cattctaacc cagttaccag
120

aactcagata gaagactaag gtgctgtgtg acgtcctgag tattagcact gtaataaaac
180

tqtcacatq
189

<210> 449
<211> 165
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 449

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caaaaaacta nnncngatgtn ccattcaa an gtggccttct gtacatcana ggnagattct
120

ggctttctac ggcaccagaa gntgttac tggcnana an aaant
165

<210> 450
<211> 184
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 450

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aacaaagaat tactgattca gctacgcagc agaacatatg tgctctactc tttcaagatt
120

aataatcttg ctttatgtca tattgtata ttaatcttag tctgttgcn gggagggtct
180

atgc
184

<210> 451
<211> 271
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 451

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ttctgtgtc aggctggcc cacgtcacaa gcatttcctt ccagacccac aacctccagg
120

gactgggaca aactggggca ggatgattg ccacttgctt ggcccgctga tcccagccg
180

atacctctcc tctctactct cccaggagac tctcaggccc agtgtgaccc tggggcttgg
240

ctgagaagct gaccaggccc cagggccagc a
271

<210> 452
<211> 103
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 452

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60

aaggcccaca gaagattcag ctgaagacgg tcatgggtga tct
103

<210> 453
<211> 284
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 453

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tctgtccccca aaatgcctgt ggacttcaac ggttactgga agatgctgag caacgagaat
120

ttcgaggagt acctgcgtgc gctcgatgtc aacgtggcct tgcgaaaaat cgccaacttg
180

ctgaagccgg acaaagagat cgtcaggat ggcgaccaca tgcgttccg cacgctgagc
240

acttttcgaa actatatcat ggacttccaa gttgggaagg agtt
284

<210> 454
<211> 277
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 454

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caagaataca acagcttagtg aaccgttagca gcatgcgaag aggggctgta actatcacca
120

tacatgcact gtccctgtgga ggtgtgacac gggagacgtg tggatcatgt gatcattgt
180

aacaccttgt gagctttaaa ataaagtcca ccctgtggtg tcaaaaaana aaaaananan
240

nannaggagn nannannncn ggattangga ccncccc
277

<210> 455
<211> 155
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 455

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nggccatgta gctgccagga ctgctctgcc gtctgcngtc ccaaacccca tccccaccaa
120

tccctgacac actaataaaag gctttgtgac ctcaa
155

<210> 456
<211> 277
<212> DNA
<213> Rattus norvegicus

<400> 456

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gggggtgggt ggcgggtgcc atggaagtgg taatgcattgt gttgatgcag ggattatgca
120

agctgaaact tggatctcagg ggccatgtca gatgtgtgag aatacctgga ctcctggttt
180

tcctccata g taaaggggtg ttctccact ctctacaagt ctcttcatgc cagagggttt
240

tcaagactcc catttagtgg ccaggaggat ttcattg
277

<210> 457
<211> 277
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 457

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cgtgtgtgta agtgtgggtg tgtgtgcgtg ctctgctcat ctctagggaa ctgcgaggtg
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ggaagtggga ggtgggaggt ggagggaccc agtagtgaga agaacttagga ggtgaggcct
180

aatgggcgcg agattggtca tgttttggtg ctgatgacag aggggccagt cccaggggag
240

gaggcttngc gggccnactt tnttgtctcc tgtcgna
277

<210> 458
<211> 233
<212> DNA
<213> Rattus norvegicus

<400> 458

cctcattgaa catggctcca atgaattcac tatgttctga agacatgcaa gatttcatgc
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caaatatata ttcagtgcta aaaaaacaaa atcctgtgtt cagtttagaa tgtttgatg
120

tagctgagaa gcttgccca acaacaataa ctgaagctac tgttagttcat aaagttcaca
180

tggctttata gccttgcaa aacataatcta taaatcaatt acttttgaa aat
233

<210> 459
<211> 294
<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations
<400> 459

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gtcacccgta atccaccgcc ctggccgagg aaggcatagc tgctggaggt gtaatggacg
120

tcaacactgc tctacaagag gtgctgaaga ccgcctcat ccacgatggc ctagcacgtg
180

gcatacgcga agtgc当地 ccttagacaa gc当地aagcc catctctgcg tgcttc当地
240

caatgtgatg agccatgta tgtcaagctg gtgnngcct ttttnccgaa caaa
294

<210> 460

<211> 300

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations
<400> 460

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gagaaccaac catgggcagc tttactaagg aagagttgac tgccatatcc tc当地gaagg
120

nttcactgct aaggacattc tggaccaaaa aatcaatgaa gttctc当地tct gatgataagg
180

atgctttcta tggc当地ggac ctc当地ggagacg ttctaaagaa gcatctgagg tggctgaaag
240

tcttccccgt gtactccctt ctagctgtca gtgtatgaca gcgagccata gtgagcacct
300

<210> 461

<211> 121

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations
<400> 461

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atgtccgtca gggtaacnca gaaatcctan aagangtcca cctcnggtcc cgggacttc
120

a
121

<210> 462
<211> 133
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 462

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gaccctata actccnnnag gctgtcctca gcttgngnac agcctnagcc actccaaant
120

tngatcaaac gtt
133

<210> 463
<211> 281
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 463

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ctccgggtgc ccaaactaga ggtgagcatg gcagaacagg aacccactgc tgagcagctc
120

gctcagatag ctggagagaa tgaggaagac gaggactctg tgaactacaa gcctccagcc
180

cagaagagca tccaggagat ccaggaactg gacaaggatg atgaaagcct tcgaaagtac
240

aaggngggccc tgctggcccg agtagctgtc tctgcagacc c
281

<210> 464
<211> 264

<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 464

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60

tgcctancaa tgaccaccca gcagantgtt ctccagggcc cgggaccnng gggtttccga
120

ntcgtggcg gcaaggactt tgagcaacct ctcgccattt cccgggtcac tccgggagc
180

aaggntgnta tagctaactt atgcatacgga gattnatca cagccattga tgggnagat
240

accancagta tgacaaatnn gaag
364

<210> 465
<211> 277
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 465

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tgtccacgaa atcctgtgca acnctcagct tggagggtga tcattctaca cccccaagtg
120

ccnatgggtc ggtcaaacc tacaccaact tcgacgntga gagggatgct ttgaacattg
180

aaacagcaat caagaccaaa ggcgtggacg aggtcaccat tgtcaacatt ctgactaacc
240

gcagcaatgc acagaggcag gacattgcct tcgccta
277

<210> 466
<211> 249
<212> DNA
<213> *Rattus norvegicus*

<223> unsure at all n locations
<400> 466

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ctcaccgtga ccaagttct ctgagtgcc agccaaccca ggctcaccag ctccctcnag
120

ctaccgcncg tccatcaggt caactgccaa ccccaggctg aanaccaaac ccagctatga
180

gctcctggag gcatgactcc ctcagggcca gcagctccga tccctccag tagtgatcat
240

gggcnaggg

249

<210> 467

<211> 253

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 467

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tcctgcgagt actccaacac caacatcgat gggcgccgga aaatagcctt cgctatcact
120

gccattaagg ttctggccaa cggcttagac aacaagctgc gtgaggacct ggagcggctg
180

aagaaaatcc gagcccatag agggctgcgc cactttggg gccttcgtgt ccggggtcag
240

cacaccaaga cat

253

<210> 468

<211> 301

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 468

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cttccccgtg ttactccctt ctatgctgtc aagtgtatg acagcagagc catagtgagc
120

accctggctg ccattggac aggatttgat tgtcaagca agactgaaat acagttggtg
180

caggggcttg ggggcctcc agagaggatt atctatgcaa atcctttaa gcnagtgtct
240

cagatcaagt atgctgccag taatggagtc cagatgatga ctttgacag taaaatttag
300

t
301

<210> 469
<211> 136
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 469

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60

gcttggctcc ctaagctatc cggtgccatc cttgtcgntg cggcgacact cgcaacatct
120

gcagccatga ccgagc
136

<210> 470
<211> 147
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 470

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gatcnntgta aatacagagc tgagtatgnc tngtggctaa acgancacag ggtntgtgg
120

atccccctcng caaagagtna ngccttc
147

<210> 471
<211> 294
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 471

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ggctgtncgc agctgcaccc gnccgtcctg tctgccgtgg gcttcactgg gtcaggcatt
120

ggcagctgca tcccatagcg ggncaagatg atgtctgctg cagcagttgc caacggggc
180

ggagtcgnccn caggaagcct tggtagccan actacagtcc antangtcta tttggnnnn
240

tccaacatna ancaacnacn catcttgggg tctttggng naanccatna gagt
294

<210> 472
<211> 300
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 472

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60

ccactccggg cttccctagga aggcagctct ggagtgagaa gggcttgcc tccaggcttg
120

ctgcctccctc gacccaatcc tcccgtgac ccaacatcag cggtcgcaac cctcgccgccc
180

tctggaaac tttgcccatt gcaacgggca gacacttctc actggaaactt acaatctgct
240

agccaggaca ggatccccag ggcgcaggan ggaattttgt ctattggac agtgttctct
300

<210> 473
<211> 276
<212> DNA
<213> Rattus norvegicus

<400> 473

gtccctcagc agtctggat tcagaatggaa accatcaaag acaacatcct gtttgggtcc
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gaataacaatg aaaagaagta ccagcaagtt ctc当地 gctctcct cccagacttg
120

gaaatattgc ctggaggaga catggctgag atcggagaga aggggataaa tctcagtggt
180

ggtcagaagc agcgagtcag cctggccaga gctgcctatc aagatgctga catctatatt
240

ctggacgatc ccctgtcggc tgtggatgct catgtg
276

<210> 474

<211> 155

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 474

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catcagaata gcctaagagt gaagcaanca ctctgccatt acttgggant cttctgcctc
120

ccgtgtgaga ggtatgtgtcg gagaggttca ccagc

155

<210> 475

<211> 282

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 475

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ttgtcaagac tttccgtat gtatggnc tc ttngngtgt ctc当地 ncng ggaggtatt
120

gtgggaacgg tgacacttac tatctgtatg atgnccatga acatgttcac cggcaacaac
180

aagatctgtg gttggaatta tgagtgc cccaa nnatttgaag angacgtgct gancagcgac
240

atcatcancc tcagganaan ccggtnatcg ccatccgtac at
282

<210> 476
<211> 225
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 476

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ctcttgtctt ctgtccaaca tggcatcttc tgatattcag gtgaaatgct tccggccagg
120

ctttgagtga tccagcctcg atcaaaagaa ttgtcccag tccccttcc cccaaagaga
180

ggncatcctg agaatcagag aatagantga agaaaganct agaca
225

<210> 477
<211> 296
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 477

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agaacttgat ngctggggaa gggttgaaga ttagctctga tctcatttagc ttggaggtta
120

gctctccaca tgtcccagac ctnactctga ttgaccttcc tggtatcaca agagtggctg
180

tgggtgacca gcctgcagac atcgaacaca agatcaagan acttatcact gaatacatcc
240

agaaacagga gaccatcaac ctgggtggtgg tccccagcaa tgtggcattg ccacca
296

<210> 478
<211> 294
<212> DNA
<213> Rattus norvegicus

<223> unsure at all n locations
<400> 478

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60

cagttcacct ctgtgggctg cgagcacct ctggcgacgc ccagacatct tccctgagca
120

gaggcagaac aagcataggc gcttcagaa taccctagcc gtcctccgga agtctggtt
180

gntggaaatc actctgaaag ccaaggagtt gattcgtcag aaccaagcaa ctnaggtgna
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actggaccag ctgaaggagc aaaccagatg ttnatagagg ccaccaagac aggg
294

<210> 479

<211> 281

<212> DNA

<213> Rattus norvegicus

<223> unsure at all n locations

<400> 479

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atgtgcattgg gcaatttcat gacctcatgg aactcttttag aattgggtgt aaatcacaga
120

tacaaattac ttgttatgg gagactatgt ggacagagga tattactcag ttgaaacagt
180

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240

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120

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